

# BRIDGES ACCUPLACER SAMPLE TEST



**THIS TEST IS NOT GRADED**

It is a tool for the Housatonic Community College Bridges Program to predict how students will perform on the Accuplacer exam.

## Contact Information

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### Placement Testing

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## What is an Accuplacer Placement Test?

A **placement test** is required for all students who have not completed college-level English and math classes. **Placement testing** helps identify your academic strengths and needs in math, English, and reading.

Also, please contact the **Admission Office** about qualifying **SAT scores** that may exempt you from taking the Accuplacer Placement test.

The **TEST** is not timed but usually takes 1½ hours to complete. After testing you meet with an Academic Advisor, and the results are used to select appropriate courses based on your current level of ability.

If special testing accommodations are required, **contact the Coordinator of Accessibility** at

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# The College Board

The College Board is a mission-driven not-for-profit organization that connects students to college success and opportunity.

Founded in 1900, the College Board was created to expand access to higher education.

Today, the membership association is made up of over 6,000 of the world's leading education institutions and is dedicated to promoting excellence and equity in education.

Each year, the College Board helps more than seven million students prepare for a successful transition to college through programs and services in college readiness and college success—including the SAT® and the Advanced Placement Program®.

The organization also serves the education community through research and advocacy on behalf of students, educators, and schools.

**For further information, visit [collegeboard.org](https://collegeboard.org).**

# Reading

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Sample  
Questions

## Accuplacer Reading Sample Questions

The **Next-Generation Reading** test is a broad-spectrum computer adaptive assessment of test-takers' developed ability to derive meaning from a range of prose texts and to determine the meaning of words and phrases in short and extended contexts.

**Passages** on the test cover a range of content areas (including literature and literary nonfiction, careers/history/social studies, humanities, and science), writing modes (informative/ explanatory, argument, and narrative), and complexities (relatively easy to very challenging). Both single and paired passages are included.

The **test pool** includes both authentic texts (previously published passages excerpted or minimally adapted from their published form) and commissioned texts (written specifically for the test). **Questions** are multiple choice in format and appear as both discrete (stand-alone) questions and as parts of sets of questions built around a common passage or passages. Four broad knowledge and skill categories are assessed:

- ***Information and Ideas*** (reading closely, determining central ideas and themes, summarizing, understanding relationships)
- ***Rhetoric*** (analyzing word choice rhetorically, analyzing text structure, analyzing point of view, analyzing purpose, analyzing arguments)
- ***Synthesis*** (analyzing multiple texts)
- ***Vocabulary***

**Directions for Questions 1-18:** Read the passage(s) below and answer the question based on what is stated or implied in the passage(s) and in any introductory material that may be provided.

*In this passage, an amateur theater group called the Laurel Players is putting on its first production.*

**(1)** The Players, coming out of their various kitchen doors and hesitating for a minute to button their coats or pull on their gloves, would see a landscape in which only a few very old, weathered houses seemed to belong; it made their own homes look as weightless and impermanent, as foolishly misplaced as a great many bright new toys that had been left outdoors overnight and rained on. **(2)** Their automobiles didn't look right either—unnecessarily wide and gleaming in the colors of candy and ice cream, seeming to wince at each splatter of mud, they crawled apologetically down the broken roads that led from all directions to the deep, level slab of Route Twelve. **(3)** Once there the cars seemed able to relax in an environment all their own, a long bright valley of colored plastic and plate glass and stainless steel—KING KONE, MOBILGAS, SHOPORAMA, EAT—but eventually they had to turn off, one by one, and make their way up the winding country road that led to the central high school; they had to pull up and stop in the quiet parking lot outside the high-school auditorium.

**(4)** "Hi!" the Players would shyly call to one another.

**(5)** "Hi! . . ." **(6)** "Hi! . . ." **(7)** And they'd go reluctantly inside.

(8) Clumping their heavy galoshes around the stage, blotting at their noses with Kleenex and frowning at the unsteady print of their scripts, they would disarm each other at last with peals of forgiving laughter, and they would agree, over and over, that there was plenty of time to smooth the thing out. (9) But there wasn't plenty of time, and they all knew it, and a doubling and redoubling of their rehearsal schedule seemed only to make matters worse. (10) Long after the time had come for what the director called "really getting this thing of the ground; really making it happen," it remained a static, shapeless, inhumanly heavy weight; time and time again they read the promise of failure in each other's eyes, in the apologetic nods and smiles of their parting and the spastic haste with which they broke for their cars and drove home to whatever older, less explicit promises of failure might lie in wait for them there.

(11) And now tonight, with twenty-four hours to go, they had somehow managed to bring it off.

(12) Giddy in the unfamiliar feel of make-up and costumes on this first warm evening of the year, they had forgotten to be afraid: they had let the movement of the play come and carry them and break like a wave; and maybe it sounded corny (and what if it did?) but they had all put their hearts into their work.

(13) Could anyone ever ask for more than that?

From Richard Yates, *Revolutionary Road*.

©1989 by Richard Yates. Originally published in 1961.

**1) The contrasts the narrator draws in sentences 1 and 2 between the Players' homes and the houses in the "landscape" and between the Players' automobiles and the "roads" are most likely meant to suggest that the Players' homes and automobiles are**

- a. old and neglected
- b. modern and alien
- c. small but expensive
- d. grand but unappreciated

**2) Based on the passage, which of the following most accurately characterizes the claim that "there was plenty of time to smooth the thing out" (sentence 8)?**

- a. A comforting falsehood that the Players know to be untrue
- b. An outright lie that the director persuades the Players to accept
- c. An optimistic conclusion reached by outside observers watching an early rehearsal
- d. A realistic appraisal offered by the director after careful analysis of the play's shortcomings

**3) The descriptive language in sentence 10 is mainly intended to reinforce the passage’s depiction of the Players’**

- a. growing resentment of the director’s leadership
- b. increasing reluctance to work as hard as they have been
- c. lingering doubts about their fellow cast members
- d. persistent mood of despair regarding the play

**4) The narrator most strongly suggests that which of the following resulted in the transformation described in the last paragraph?**

- a. The change in time of day during which rehearsals were being held
- b. The greater frequency with which rehearsals were being scheduled
- c. The shift in the director’s style from strict to more forgiving
- d. The break in routine occurring the day before the first performance

### **Passage 1**

Green Bank, West Virginia, is a tech-savvy teenager’s nightmare. In this tiny town in Pocahontas County—population 143—wireless signals are illegal. No cell phones. No WiFi. No radio. No Bluetooth. No electronic transmitters at all. You’re not even allowed to cozy up to an electric blanket. The remote town is smack in the center of the National Radio Quiet Zone, a 13,000 square mile stretch of land designated by the Federal Communications Commission to protect two government radio telescopes from human-made interference. The rules are most strict in Green Bank. So strict that a police officer roves the streets listening for forbidden wireless signals. It’s necessary, though. The town is home to the Green Bank Telescope, the largest steerable radio telescope in the world—and arguably our most powerful link to the cosmos. Scientists there listen to radio energy that has journeyed light years, unlocking secrets about how the stars and galaxies formed. A rogue radio signal could prevent potential discoveries. Discoveries that could answer big questions about how the universe ticks.

Adapted from Lucas Reilly, “The West Virginia Town Where Wireless Signals Are Illegal.”  
©2013 by Mental Floss, Inc.

### **Passage 2**

Lawn mowers seem to have little in common with astronomy, but they are keeping astronomers at the National Radio Astronomical Observatory up at night. A new type of robotic lawn mower has been proposed that uses beacons to train the lawn mower to stay within property lines. The beacons, placed around the yard, transmit at the same wavelength as interstellar molecules astronomers study to understand how stars form. Humans wouldn’t notice the tiny amount of energy given off by the beacons, but the Green Bank Telescope—the size of a football stadium—is so sensitive it can detect the energy given off

by a snowflake as it melts. By simply mowing the lawn, a homeowner runs the risk of interfering with one of our greatest tools for studying the universe. The manufacturer of one “lawnbot” requested a waiver to operate within the National Radio Quiet Zone. Astronomers countered with the suggestion that the beacons be reprogrammed to transmit at another wavelength not emitted by interstellar molecules. Alternately, astronomers want global positioning system (GPS) devices added to each lawnbot to prevent them from operating within the Quiet Zone.

**5) The main purpose of the last paragraph of Passage 1 is to offer**

- a. criticism
- b. justification
- c. exemplification
- d. comparison

**6) Which conclusion can reasonably be drawn about the status of the “lawnbot” issue at the time of the writing of Passage 2?**

- a. The manufacturer has received a waiver to operate within the National Radio Quiet Zone.
- b. The manufacturer has changed the wavelength at which the lawnbot’s beacons transmit.
- c. Astronomers have succeeded in getting GPS devices added to each lawnbot.
- d. The manufacturer and astronomers have yet to resolve their conflict.

**7) Which choice best describes the relationship between the two passages?**

- a. Passage 1 mainly discusses the National Radio Quiet Zone in general, while Passage 2 mainly discusses a particular threat to the zone’s integrity.
- b. Passage 1 focuses on Green Bank, West Virginia, while Passage 2 focuses on the National Radio Quiet Zone surrounding the town.
- c. Passage 1 evaluates drawbacks of the National Radio Quiet Zone, while Passage 2 evaluates benefits of the zone.
- d. Passage 1 offers praise for astronomers, while Passage 2 offers criticism of astronomers.

**8) Given the evidence in the passages, with which statement would the authors of both passages most likely agree?**

- a. Radio telescopes could be used to measure snowfall amounts.
- b. The Green Bank Telescope can detect extremely small amounts of energy.
- c. Increased sales of robotic lawn mowers may require the creation of more radio quiet zones.
- d. The lack of modern technology has made people move away from Pocahontas County.

As soon as I saw the Manhattan map, I wanted to draw it. I should be able to draw the place where I lived. So I asked Mom for tracing paper and she got it for me and I brought it into my fort and I pointed the light right down on the first map in the Hagstrom Atlas—downtown, where Wall Street was and the stock market worked. The streets were crazy down there; they didn't have any kind of streets and avenues; they just had names and they looked like a game of Pick-Up Sticks. But before I could even worry about the streets, I had to get the land right. Manhattan was actually built on land. Sometimes when they were digging up the streets you saw it down there—real dirt! And the land had a certain curve to it at the bottom of the island, like a dinosaur head, bumpy on the right and straight on the left, a swooping majestic bottom.

From Ned Vizzini, *It's Kind of a Funny Story*.  
©2006 by Ned Vizzini.

**9) In the passage, the use of “crazy,” “dinosaur head,” “bumpy,” “straight,” and “swooping” serve mainly to emphasize the:**

- a. narrator's serious approach to mapmaking
- b. narrator's frustration with drawing
- c. Irregularity of downtown Manhattan
- d. ways in which a landscape can change over time

The life of Edith Wharton is not an inspiring rags-to-riches saga, nor is it a cautionary tale of riches to rags—riches to riches, rather. Born Edith Newbold Jones, in January of 1862, into one of the leading families of New York, the author maintained multiple establishments and traveled in the highest style, with a host of servants, augmenting her several inheritances by writing best-selling fiction. In the Depression year of 1936, when two thousand dollars was a good annual income, her writing earned her a hundred and thirty thousand, much of it from plays adapted from her works. Yet her well-padded, auspiciously sponsored life was not an easy one. The aristocratic social set into which she was born expected its women to be ornamental, well-sheltered, intellectually idle agents of their interwoven clans, whereas Edith was an awkward, red-haired bookworm and dreamer, teased by her two older brothers about her big hands and feet and out of sympathy with her intensely conventional mother, née Lucretia Stevens Rhineland—*a mother-daughter disharmony that rankled in Edith's fiction to the end.*

Adapted from John Updike, “The Changeling,”  
a review of the biography *Edith Wharton* by Hermione Lee.  
©2007 by Condé Nast.

**10) Which choice best describes the overall structure of the passage?**

- a. Biographical incidents are recounted chronologically.
- b. An author's life is connected to various themes in her work.
- c. The works of two authors are compared and contrasted.
- d. A list of advantages is followed by a list of disadvantages.



Bones found in South America reveal a bizarre new dinosaur. Based on an ancestry that links it to *Tyrannosaurus rex*, this reptile should have been a meat eater. Instead, it preferred plants. Researchers described the new species in *Nature*.

Its genus name—*Chilesaurus*—reflects that it was found in what’s now Chile. The team that discovered the fossils gave it a species name of *diegosuarezi* to honor Diego Suarez. While just 7 years old, Diego found the first dinosaur bones in the same general area of Chile. It’s a place known as the Toqui Formation.

*C. diegosuarezi* roamed South America 150 million years ago. It measured about 3 meters (roughly 10 feet) from head to tail. Its sturdy back legs, thin body and short, stout arms made it look a bit like *T. rex*. But it also had a long neck, small head and a mouth full of leaf-shaped teeth. Those gave it a Brontosaurus-like appearance. And like the *Brontosaurus*, it would have eaten plants, making it an herbivore.

Adapted from Ashley Yeager, “Frankenstein’ Dino Showed a Mashup of Traits.”  
©2015 by Society for Science & the Public.

**11) When the author writes that *C. diegosuarezi* “should have been a meat eater,” she most likely means that the species**

- a. would have been healthier if it had eaten meat
- b. would have grown even larger if it had eaten meat
- c. had the head, neck, and teeth of a meat eater
- d. had body features similar to those of its meat-eating relative

The first album that singer Leehom Wang bought as an adolescent was the Beastie Boys’ *Licensed to Ill*; his first concert was Heart, at the War Memorial in Rochester, New York. As for Chinese pop music, though, Wang says he recalls hearing it only once as a youngster—when his singer uncle, Li Jian-fu, paid a visit in the 1980s and played his nationalistic-patriotic hit “Descendants of the Dragon” in Wang’s living room.

Wang didn’t know it then, but he would go on to remix “Descendants of the Dragon” for a new generation, adding new lyrics about his parents’ own immigrant experience. Over the last decade, Wang’s songs have frequently emphasized his dedication to and pride in his Chinese heritage—themes that reflect his personal journey and have a powerful commercial appeal, particularly on the mainland.

At the same time, Wang has demonstrated a strong interest in incorporating traditional Chinese music and instruments into his hip-hop and R&B-based tunes.

Adapted from Julie Makinen, “Can Leehom Wang Transcend China and America’s Pop Cultures?”  
©2014 by Los Angeles Times.

**12) The second paragraph marks a shift in the passage from a discussion of Leehom Wang’s**

- a. family members to Leehom Wang himself
- b. early musical influences to his later musical career
- c. interest in the United States to his interest in China
- d. fondness for pop music to his fondness for traditional music

Technology has scrambled the lines between public and private. Cellphones make our most intimate conversations available to anyone within earshot, while headphones create zones of pure solitude even in the midst of the liveliest crowd. Smartphones and tablets allow us to spend time with art without ever leaving the office, while sophisticated new robots enable people who are house-bound to participate in live events remotely.

Adapted from Philip Kennicott, "How to Act in Public Spaces in a Digital Age."  
©2015 by the Washington Post.

**13) Which of the following would be most similar to the examples the author provides in the passage?**

- a.** A person's confidential information is compromised because that person left some papers in a public place
- b.** A person enjoys numerous television programs, so that person buys a sophisticated new television on which to watch them.
- c.** A person's unfiltered first reaction to a major event becomes widely known because that person posts it online.
- d.** A person wants to keep a record of his or her private thoughts, so that person secretly starts keeping a daily journal.

Construction management is ideal for someone who has a general interest in building and design. Working as a construction manager affords the chance to learn a construction project from the planning stage with architects and engineers, to the budgeting stage with cost estimators, to the production stage with laborers. And that's just a small taste of the job's duties: Construction managers also obtain work permits, hire contractors, troubleshoot emergencies, schedule walkthroughs and keep clients informed on work timetables and progress.

Adapted from "Best Construction Jobs: Construction Manager."  
©2015 by U.S. News & World Report LP.

**14) The passage most strongly emphasizes which aspect of the job of construction management?**

- a.** The variety of its responsibilities
- b.** The educational background it requires
- c.** The kind of person for whom it is suitable
- d.** The amount of stress it inflicts

*In this passage, “serialization” refers to the publication of installments, or parts, of an ongoing story in a newspaper or magazine.*

The Pickwick Papers (1836-7) wasn't the original serialized novel — the format had existed for at least a century prior— but it was the work that truly popularized the form. The first installment had a print order of 1,000 copies; by the time the final entry was published, circulation had reached 40,000. Buoyed by the success of Pickwick, Charles Dickens serialized his work for the rest of his career, and scores of other notable Victorian novelists joined the publishing craze. William Makepeace Tackeray's Vanity Fair, Wilkie Collins's The Woman in White and Arthur Conan Doyle's Sherlock Holmes stories all emerged as serials. Old and new magazines, such as Blackwood's and Household Words, competed for established and emerging voices. The constant influx of unresolved plots and elliptical section breaks stoked a fervor for fiction in Victorian England. It wasn't until book production became cheap and easy, and new mediums such as radio arose to fill leisure time, that serialization slowly shriveled away.

Adapted from Hillary Kelly,  
“Bring Back the Serialized Novel.”  
©2015 by the Washington Post.

**15) Which of the following does the author offer as evidence to support the point that, for a time, serialization was highly successful?**

- a. The change in circulation for The Pickwick Papers
- b. The use of unresolved plots and elliptical section breaks
- c. The decrease in cost of book production

The neighborhood of Harlem in the twenties offered up a cultural richness that made everything seem possible. Jervis Anderson, writing in the New Yorker in 1981, noted, “Harlem has never been more high-spirited and engaging than it was during the nineteen-twenties. Blacks from all over America and the Carib bean were pouring in, reviving the migration that had abated toward the end of the war—word having reached them about the ‘city,’ in the heart of Manhattan, that blacks were making their own.”

Adapted from Hilton Als, “The Sojourner.”  
©2015 by Condé Nast.

**16) Based on the passage, Anderson puts “city” in quotation marks most likely to**

- a. introduce irony into his writing
- b. signal a nonliteral usage
- c. mark a citation of another author
- d. indicate the inclusion of dialogue

Certainly, scholars are driven toward a “regression to the safe,” as science historian Alice Dreger puts it, though that is not, as she implies, particularly new in the Internet age. Since Galileo’s time, thinkers have relied on the patronage of others to fund their work, and that patronage—be it from government, business interests or individuals—generally extracts a price. In Galileo’s case, that meant softening his position on the Copernican theory under pressure from the pope. In the case of science today, despite Dreger’s argument, that pressure comes less as a consequence of political correctness than of economic forces that have shifted academic and scientific institutions to a corporate model not designed to prioritize public interests. In the academy, it is money far more than ideology that rules the day.

Adapted from Ellen Ruppel Shell,  
“In Science, Has Evidence Given Way to Ideology?”  
©2015 by the Washington Post.

**17) It can reasonably be concluded from the passage that in the author’s opinion, scientific research today is chiefly impaired by the**

- a. influence of the academic institutions with which scientists are affiliated
- b. overabundance of information available to scientists in the Internet age
- c. pressure on scientists to make their outcomes socially acceptable
- d. operation of economic forces potentially hostile to the common good

Sherry Turkle of the Massachusetts Institute of Technology has been writing about human-technology interactions for the past three decades. She has become increasingly wary of the capacity of online spaces to fulfill us in the ways we seem to want them to. According to Turkle, part of the problem with the internet is that it encourages self-invention. “At the screen,” she writes in *Alone Together* (2011), “you have a chance to write yourself into the person you want to be and to imagine others as you wish them to be, constructing them for your purposes. It’s a seductive but dangerous habit of mind.”

Adapted from Olivia Laing, “The Future of Loneliness.”  
©2015 by Guardian News and Media Limited.

**18) The main purpose of the passage is to**

- a. evaluate conflicting assessments
- b. present a sharp critique
- c. propose a necessary remedy
- d. provide background details

**Directions for questions 19-20:** The following sentences have a blank indicating that something has been left out. Beneath the sentence are four words or phrases. Choose the word or phrase that, when inserted in the sentence, best fits the meaning of the sentence as a whole.

**19)** *Deciding that none of the nominees was \_\_\_\_\_ the award, the film committee began reviewing a new group of candidates with better qualifications.*

- a. known for
- b. pleased with
- c. worthy of
- d. interested in

**20)** *Nuclear engineer Meena Mutyala argues that nuclear power is an environmentally \_\_\_\_\_ technology, operating with essentially no emissions.*

- a. lavish
- b. culpable
- c. antagonistic
- d. benign

# Writing

## Sample Questions

## Accuplacer Writing Sample Questions

The **Next-Generation Writing** test is a broad-spectrum computer adaptive assessment of test-takers' developed ability to revise and edit a range of prose texts for effective expression of ideas and for conformity to the conventions of Standard Written English sentence structure, usage, and punctuation. Passages on the test cover a range of content areas (including literary nonfiction, careers/history/social studies, humanities, and science), writing modes (informative/explanatory, argument, and narrative), and complexities (relatively easy to very challenging).

All **passages** are commissioned—that is, written specifically for the test—so that “errors” (a collective term for a wide range of rhetorical and conventions-related problems) can more effectively be introduced into them.

**Questions** are multiple choice in format and appear as parts of sets built around a common, extended passage; no discrete (stand-alone) questions are included. In answering the questions, test-takers must determine the best revision or editing decision in a particular case (or that no change should be made to the passage as originally presented). Two broad knowledge and skill categories are assessed:

- ***Expression of Ideas*** (development, organization, -effective language use)
- ***Standard English Conventions*** (sentence)

Read the following early draft of an essay and then choose the best answer to the question or the best completion of the statement.

(1) The prevalence of nectarines in US supermarkets today is directly related to the company started by two unrelated men who shared a last name, an inventive bent, and a drive to succeed. (2) Moving from Korea to the United States in 1914, Ho “Charles” Kim founded the Kim Brothers trucking company in California in 1921 with his friend Harry Kim. (3) Much of the freight their trucks carried in the early years were fruit grown in the San Joaquin valley. (4) Kim Brothers soon expanded to include nurseries, orchards, and fruit-packing sheds. (5) Eventually the operation became a major employer, providing year-round jobs for about two hundred people and up to four hundred part-time jobs during harvest season coming after growing season.

(6) Kim Brothers succeeded even in the face of the Great Depression of the 1920s and 30s because the company produced and sold the first commercially viable nectarines. (7) The nectarine is a hybrid fruit. (8) It combines peach and plum, with the taste and texture of the former and the smooth skin of the latter. (9) With the help of a staff horticulturalist, Kim Brothers developed and patented the “fuzzless peach” known as the Sun Grand nectarine. (10) Though not the first nectarine—the fruit had existed in China for two millennia; the Sun Grand was unique in being hardy enough to ship great distances.

(11) By the 1960s, Kim Brothers included more than five hundred acres of farmland and grossed more than \$1 million annually. (12) Charles and Harry Kim were eventually recognized as the first millionaires of Korean descent. (13) They were also known for giving back to their community. (14) Charles was also instrumental in helping to create Los Angeles's Koreatown (home today to more Koreans than any place other than North and South Korea).

**1) Which is the best version of the underlined portion of sentence 3 (reproduced below)?**

Much of the freight their trucks carried in the early years were fruit grown in the San Joaquin valley.

- a. (as it is now)
- b. have been
- c. are
- d. was

**2) Which is the best decision regarding the underlined portion of sentence 5 (reproduced below)?**

Eventually the operation became a major employer, providing year-round jobs for about two hundred people and up to four hundred part-time jobs during harvest season coming after growing season.

- a. Leave it as it is now
- b. Revise it to “when the crops were ready to pick.”
- c. Revise it to “after the produce had ripened.”
- d. DELETE it and end the sentence with a period

**3) Which is the most logical placement for sentence 7 (reproduced below)?**

The nectarine is a hybrid fruit.

- a. Where it is now
- b. After sentence 3
- c. After sentence 10
- d. After sentence 11

**4) Which is the best version of the underlined portion of sentence 10 (reproduced below)?**

Though not the first nectarine—the fruit had existed in China for two millennia; the Sun Grand was unique in being hardy enough to ship great distances.

- a. (as it is now)
- b. millennia. The
- c. millennia—the
- d. millennia) the

**5) Sentence 13 is reproduced below.**

They were also known for giving back to their community.

**The writer is considering adding the following text at the end of the sentence.**

by building churches, funding scholarships, and establishing the Korean Association of Southern California

**Should the writer make this addition there?**

- a. Yes, because it elaborates on the claim made at the beginning of the sentence.
- b. Yes, because it establishes the historical period in which Kim Brothers operated.
- c. No, because it introduces details that are irrelevant to the paragraph’s focus on nectarines.
- d. No, because it fails to explain whether the institutions that the Kims established still exist today.

(1) In the Sahara, near the border of Morocco and Algeria, a new species of spider, *Cebrennus rechenbergi*, has been found.

(2) These spiders don't simply scurry across the sand on their many legs, like tumbling gymnasts, they propel themselves forward (or backward) in a series of quick fips. (3) They do this, however, only to elude predators, not to chase prey. (4) A human is thus unlikely ever to see these arachnids flipping toward him or her, only away.

(5) A spider of this species was discovered in the Erg Chebbi.

(6) It is a sandy desert in southeastern Morocco. (7) A German robotics researcher who makes yearly treks to the region to study how desert creatures thrive in that climate caught one of the spiders and brought it back to his caravan. (8) The next morning, he was amazed to see the creature try to escape by flipping itself quickly away. (9) The researcher turned the spider over to an arachnid specialist for identification. (10) Ultimately, the spider was determined to be a member of a previously unknown species.

(11) *C. rechenbergi* are "hunter spiders"—skilled predators found only in the Erg Chebbi. (12) They are nocturnal creatures; during the day, they rest in tubes of silken thread they weave into the sand. (13) Agile and athletic, *C. rechenbergi* rear up on their back legs and lash out when attacked—or it somersaults away, rolling like tumbleweed.

(14) Few spiders propel themselves as *C. rechenbergi* do, and none do so as comprehensively. (15) Golden rolling spiders of Namibia, for instance, can tumble, but they do so only using gravity to roll downhill. (16) *C. rechenbergi*, by contrast, elude predators by rolling uphill, downhill, or on fat ground. (17) Their reproductive organs distinguish them from other *Cebrennus* spiders. (18) While these spiders run only 3.3 feet per second, they can tumble at 6.6 feet per second. (19) Even if this speedy escape method proves effective, however, it can be costly: tumbling away too many times a day will ultimately exhaust the spiders and lead to their demise.

**6) Which is the best version of the underlined portion of sentence 2 (reproduced below)?**

These spiders don't simply scurry across the sand on their many legs, like tumbling gymnasts, they propel themselves forward (or backward) in a series of quick fips.

- a. (as it is now)
- b. legs like tumbling gymnasts;
- c. legs; like tumbling gymnasts,
- d. legs like tumbling gymnasts,

**7) Which choice most effectively combines sentences 5 and 6 (reproduced below) at the underlined portion?**

A spider of this species was discovered in the Erg Chebbi. It is a sandy desert in southeastern Morocco.

- a. Chebbi,
- b. Chebbi—this being
- c. Chebbi, and the Erg Chebbi is
- d. Chebbi, the Erg Chebbi being

**8) In context, which is the best version of the underlined portion of sentence 10 (reproduced below)?**

Ultimately, the spider was determined to be a member of a previously unknown species.

- a. (As it is now)
- b. For example,
- c. Nevertheless,
- d. At the same time,



**9) Which is the best version of the underlined portion of sentence 13 (reproduced below)?**

Agile and athletic, *C. rechenbergi* rear up on their back legs and lash out when attacked—or it somersaults away, rolling like tumbleweed.

- a. (as it is now)
- b. it will somersault
- c. they somersault
- d. they were somersaulting

**10) Which sentence blurs the focus of the last paragraph and should therefore be deleted?**

- a. Sentence 14
- b. Sentence 15
- c. Sentence 16
- d. Sentence 17

(1) Of her poetry, Lucille Clifton once said, “I write out of what I know and understand or what I wonder about.” (2) From her very first volume, *Good Times*, she gave tribute to the people she knew best: those who had grown up in blue-collar neighborhoods where children pondered whether Daddy could pay the rent and Mama could afford to make bread but where “good times” prevailed when they could.

(3) Family, injustice, being African American and female were Clifton’s enduring themes. (4) Clifton was born in Depew, New York, in 1936. (5) In her collection *Quilting*, the speaker in the title poem draws a parallel between a woman teaching her daughter how to quilt and the transformative powers of alchemy. (6) “Remember / this will keep us warm,” she says to the girl. (7) The speaker wonders, however, whether the skills of keeping warm will one day be forgotten and people will lose sight of lessons their ancestors had taught: “do the daughters’ daughters quilt?” she asks; “do the worlds continue spinning away from each other forever?”

(8) Concerned about those who are frequently excluded from the historical record, Clifton said that through poetry “I offer my presence for people who have not been able to speak until they are able to speak for themselves.” (9) Her poems often bore witness to what she called “the bond of live things everywhere,” a bond she evoked through seemingly simple but precisely chosen words.

(10) Clifton’s powerful and innovative poems have been widely recognized and appreciated. (11) Poet Remica Bingham called Clifton a “master of economy and minimalism.” (12) Of Clifton’s ambitious lines, poet Kevin Young said, “There is a kind of quietude in that lowercase, but also a boldness of speech” that achieves a “powerful intimacy.” (13) One of her former students, poet Elisabeth Whitehead, recalls fondly Clifton’s college classroom as a place of quiet where poetry was loved and celebrated. (14) A fellow student hosted dinner for their final class, and before everyone had left that evening, Clifton had them gather and join hands. (15) “Then we went around the circle,” Whitehead recounts, “sharing an idea or a quote or passage from a poem in our last moments together.”

**11) Which is the best decision regarding the underlined portion of sentence 3 (reproduced below)?**

Family, injustice, being African American and female were Clifton's enduring themes.

- a. Leave it as it is now
- b. Revise it to "and being"
- c. Revise it to "and the subjects of"
- d. DELETE it

**12) Which sentence blurs the focus of the second paragraph and should therefore be deleted?**

- a. Sentence 4
- b. Sentence 5
- c. Sentence 6
- d. Sentence 7

**13) Which is the best version of the underlined portion of sentence 9 (reproduced below)?**

Her poems often bore witness to what she called "the bond of live things everywhere," a bond she evoked through seemingly simple but precisely chosen words.

- a. (as it is now)
- b. called:
- c. called—
- d. called,

**14) Which version of the underlined portion of sentence 10 (reproduced below) provides the most effective introduction to the last paragraph?**

Clifton's powerful and innovative poems have been widely recognized and appreciated.

- a. (as it is now)
- b. passion for teaching others about poetry has
- c. desire to use poetry to speak for the powerless has
- d. many gifts as a writer and teacher have

**15) In sentence 12 (reproduced below), the writer wants to echo Bingham's observation from sentence 11. Which version of the underlined portion best accomplishes that goal?**

Of Clifton's ambitious lines, poet Kevin Young said, "There is a kind of quietude in that lowercase, but also a boldness of speech" that achieves a "powerful intimacy."

- a. (as it is now)
- b. spare
- c. nuanced
- d. vivid

# Quantitative Reasoning Algebra & Statistics

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Sample  
Questions

## Accuplacer Quantitative Reasoning, Algebra, and Statistics Sample Questions

The Next-Generation Quantitative Reasoning, Algebra, and Statistics placement test is a computer adaptive assessment of test-takers' ability for selected mathematics content.

Questions will focus on a range of topics including computing with rational numbers, applying ratios and proportional reasoning, creating linear expressions and equations, graphing and applying linear equations, understanding probability and set notation, and interpreting graphical displays.

In addition, questions may assess a student's math ability via computational or fluency skills, conceptual understanding, or the capacity to apply mathematics presented in a context.

All questions are multiple choice in format and appear discretely (stand alone) across the assessment. The following knowledge and skill categories are assessed:

- *Rational numbers*
- *Ratio and proportional relationships*
- *Exponents*
- *Algebraic expressions*
- *Linear equations*
- *Linear applications*
- *Probability and sets*
- *Descriptive statistics*
- *Geometry concepts*

Choose the best answer. If necessary, use the paper you were given.

1) Which of the following expressions is 5 times as much as the sum of  $r$  and  $s$ ?

- a.  $5 \times r + s$
- b.  $5 + r + s$
- c.  $r + s \times 5$
- d.  $(r + s) \times 5$

2) What is the solution to the equation

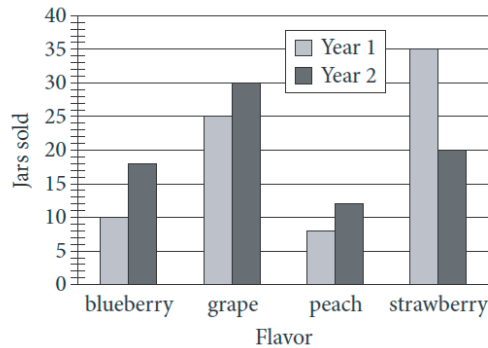
$$\frac{1}{2}x + \frac{3}{2}(x + 1) - \frac{1}{4} = 5?$$

- a.  $\frac{5}{2}$
- b.  $\frac{13}{8}$
- c.  $\frac{15}{8}$
- d.  $\frac{17}{8}$

3) What is the number of grams in 500 kilograms?  
(1 kilogram = 1,000 grams)

- a. 0.5
- b. 5,000
- c. 50,000
- d. 500,000

4)



Robert sells four different flavors of jam at an annual farmers market. The graph above shows the number of jars of each type of jam he sold at the market during the first two years. In which flavor did the number of jars sold increase the most from Year 1 to Year 2?

- a. Blueberry
- b. Grape
- c. Peach
- d. Strawberry

5) In the  $xy$ -plane, a line crosses the  $y$ -axis at the point  $(0, 3)$  and passes through the point  $(4, 5)$ . Which of the following is an equation of the line?

- a.  $y = \frac{1}{2}x + 3$
- b.  $y = 2x + 3$
- c.  $y = \frac{1}{2}x - 4$
- d.  $y = 2x - 4$

6) The amount of money  $M$ , in dollars, Paul earns can be represented by the equation  $M = 12.5h + 11$ , where  $h$  is the number of hours Paul works. Which of the following is the best interpretation of the number 11 in the equation?

- a. The amount of money, in dollars, Paul earns each hour
- b. The total amount of money, in dollars, Paul earns after working for  $h$  hours
- c. The total amount of money, in dollars, Paul earns after working for one hour
- d. The amount of money, in dollars, Paul earns in addition to an hourly wage

7)

Country	Approximate population (millions)
France	65.9
Germany	80.8
Italy	60.8
Spain	46.5
United Kingdom	64.3

The table gives the population of the 5 largest countries in the European Union in the year 2014. Which of the following is closest to the mean population of these countries?

- a. 80.8 million
- b. 64.3 million
- c. 63.7 million
- d. 60.8 million

8) Which of the following fractions is equivalent to

$$-\frac{6 - (-9)}{8}?$$

- a.  $-\frac{3}{8}$
- b.  $\frac{3}{8}$
- c.  $-\frac{15}{8}$
- d.  $\frac{15}{8}$

9) Water runs from a pump at a rate of 1.5 gallons per minute. At this rate, how long would it take to fill a tub with a 150-gallon capacity?

- a. 10 minutes
- b. 100 minutes
- c. 225 minutes
- d. 2,250 minutes

10) The volume of a rightrectangular prism is found by multiplying the length of the base by the width of the base by the height of the prism. A rightrectangular prism has a volume of 30 cubic inches. If the height of the prism is 6 inches, what is the area of the base of the prism?

- a. 5 square inches
- b. 24 square inches
- c. 36 square inches
- d. 180 square inches

11) Jacoby followed a recipe that requires 2 cups of water for every 3 cups of flour. If he used 8 cups of flour, how many cups of water did he use?

- a.  $2\frac{2}{3}$
- b. 4
- c.  $5\frac{1}{3}$
- d. 12

12)  $4(x + 5) + 4x + 8$

Which of the following is equivalent to the expression above?

- a.  $4(2x + 7)$
- b.  $8(x + 4)$
- c.  $5x + 17$
- d.  $8x + 13$

13) It took Khalid 90 minutes to complete 40 tasks. Which of the following is an equivalent rate?

- a. 10 tasks in 0.9 minutes
- b. 10 tasks in 2.25 minutes
- c. 10 tasks in 9 minutes
- d. 10 tasks in 22.5 minutes

14)

	Plans to vote "yes" on issue Q	Plans to vote "no" on issue Q	Total
Plans to vote "yes" on issue P	8	12	20
Plans to vote "no" on issue P	14	16	30
Total	22	28	50

The table above shows a survey of 50 registered voters in a city. Each voter was asked whether they planned to vote "yes" or "no" on two different issues. If a voter who plans to vote "yes" on issue P is randomly selected, what is the probability that voter also plans to vote "yes" on issue Q?

- a. 0.16
- b. 0.36
- c. 0.40
- d. 0.67

15) Which of the following values is equivalent to  $5^{-3}$ ?

- a.  $\frac{1}{15}$
- b.  $\frac{1}{125}$
- c. -15
- d. -125

16) Which of the following expressions is equivalent to  $(x^3 \cdot x^2)^5$ ?

- a.  $x^{10}$
- b.  $x^{15}$
- c.  $x^{25}$
- d.  $x^{30}$

17) The elevation at the summit of Mount Whitney is 4,418 meters above sea level. Climbers begin at a trailhead that has an elevation of 2,550 meters above sea level. What is the change in elevation, to the nearest foot, between the trailhead and the summit? (1 foot = 0.3048 meters)

- a. 569 feet
- b. 5,604 feet
- c. 6,129 feet
- d. 14,495 feet

18)  $3x - 2y = 15$   
 $x = 3$

The two lines given by the equations above intersect in the  $xy$ -plane. What is the value of the  $y$ -coordinate of the point of intersection?

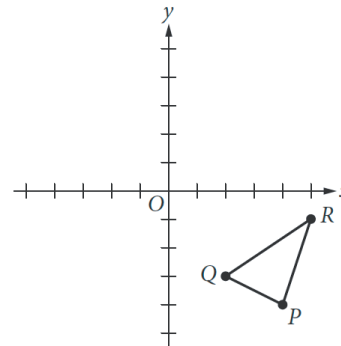
- a. -7
- b. -3
- c. 3
- d. 7

19)  $L = \{0, 20, 40, 80, 100\}$   
 $M = \{5, 10, 15, 20, 25\}$   
 $N = \{10, 20, 30, 40, 50\}$

Sets  $L$ ,  $M$ , and  $N$  are shown above. Which of the following sets represents  $L \cup (M \cap N)$  (the union of  $L$  with the intersection of sets  $M$  and  $N$ )?

- a.  $\{0, 5, 10, 15, 20, 25, 30, 40, 50, 80, 100\}$
- b.  $\{0, 10, 20, 40, 80, 100\}$
- c.  $\{20, 40\}$
- d.  $\{20\}$

20)



Triangle  $PQR$  lies in the  $xy$ -plane, and the coordinates of vertex  $Q$  are  $(2, -3)$ . Triangle  $PQR$  is rotated  $180^\circ$  clockwise about the origin and then reflected across the  $y$ -axis to produce triangle  $P'Q'R'$ , where vertex  $Q'$  corresponds to vertex  $Q$  of triangle  $PQR$ . What are the coordinates of  $Q'$ ?

- a.  $(-3, -2)$
- b.  $(3, -2)$
- c.  $(-2, 3)$
- d.  $(2, 3)$



# Arithmetic

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Sample  
Questions

## Accuplacer Arithmetic Sample Questions

The **Next-Generation Arithmetic** placement test is a computer adaptive assessment of test-takers' ability for selected mathematics content.

**Questions** will focus on computation, order of operations, estimation and rounding, comparing and ordering values in different formats, and recognizing equivalent values across formats.

In addition, **questions** may assess a student's math ability via computational or fluency skills, conceptual understanding, or the capacity to apply mathematics presented in a context.

All **questions** are multiple choice in format and appear discretely (stand alone) across the assessment. The following knowledge and skill categories are assessed:

- *Whole number operations*
- *Fraction operations*
- *Decimal operations*
- *Percent*
- *Number comparisons and equivalents*

Choose the best answer. If necessary, use the paper you were given.

**1) Which of the following fractions is equal to 0.06?**

a.  $\frac{1}{6}$

b.  $\frac{1}{60}$

c.  $\frac{6}{10}$

d.  $\frac{6}{100}$

**2) A club has 36 members. If each member donates 12 items for an auction, how many items will there be in the auction?**

a. 48

b. 108

c. 422

d. 432

3) What is the value of  $\frac{4}{10} + \frac{3}{100}$  ?

a.  $\frac{43}{100}$

b.  $\frac{43}{110}$

c.  $\frac{7}{10}$

d.  $\frac{7}{110}$

4) A conference planner has put together 280 binders for attendees and another 31 binders for presenters. How many total binders did the planner put together for attendees and presenters?

a. 211

b. 249

c. 311

d. 590

5) A store stocked 150 cans of popcorn for a weekend sale. That weekend, 72 of the cans sold. What percent of the cans of popcorn stocked were sold that weekend?

a. 2%

b. 5%

c. 48%

d. 72%

6)  $\frac{8}{3}$ , 2.28,  $\frac{10}{12}$ , 0.199

What number in the list above has the greatest value?

a.  $\frac{8}{3}$

b. 2.28

c.  $\frac{10}{12}$

d. 0.199

7) If Manuel deposits 25% of \$130 into a savings account, what is the amount of his deposit?

a. \$5.20

b. \$25.00

c. \$32.50

d. \$97.50

8) What is  $1,582 + 761$ ?

a. 1,119

b. 1,243

c. 1,343

d. 2,343

9) Xiaoming is making cookies. Each batch of cookies uses 3 eggs. If Xiaoming has 20 eggs, and assuming he has enough of the other ingredients to make the cookies, what is the greatest number of batches that he can make?

- a. 3
- b. 6
- c. 7
- d. 17

10) What is the value of  $3.85 + 0.004 + 0.117$ ?

- a. 3.9611
- b. 3.961
- c. 3.971
- d. 5.06

11) Which of the following is equivalent to  $\frac{8}{25}$  ?

- a. 0.02
- b. 0.32
- c. 0.825
- d. 3.125

12) What is the remainder when 599 is divided by 9?

- a. 0
- b. 5
- c. 6
- d. 9

13) A machine is currently set to a feed rate of 5.921 inches per minute (IPM). The machinist changes this setting to 6.088 IPM. By how much did the machinist increase the feed rate?

- a. 0.167 IPM
- b. 1.167 IPM
- c. 1.833 IPM
- d. 1.967 IPM

14)  $0.075$ ,  $0.75\%$ ,  $\frac{3}{4}$

Which of the following correctly orders the values above from least to greatest?

- a.  $0.75\%$ ,  $0.075$ ,  $\frac{3}{4}$
- b.  $0.75\%$ ,  $\frac{3}{4}$ ,  $0.075$
- c.  $\frac{3}{4}$ ,  $0.75\%$ ,  $0.075$
- d.  $0.075$ ,  $0.75\%$ ,  $\frac{3}{4}$

15) What is the value of  $2.84 \times 3.9$ ?

- a. 3.408
- b. 11076
- c. 37.08
- d. 110.76

16) What is 0.8637 rounded to the nearest hundredth?

- a. 0.86
- b. 0.863
- c. 0.864
- d. 0.87

17) 60% of what number is equal to 30?

- a. 0.5
- b. 2
- c. 18
- d. 50

18) If  $\frac{4}{3} + \frac{1}{6} = p$ , then the value of  $p$  is between which of the following pairs of numbers?

- a. 3 and 4
- b. 5 and 6
- c. 6 and 7
- d. 7 and 9

19) Which of the following inequalities is true

- a.  $\frac{3}{4} < \frac{5}{7}$
- b.  $\frac{2}{3} > \frac{5}{6}$
- c.  $\frac{5}{8} > \frac{6}{10}$
- d.  $\frac{4}{5} < \frac{2}{9}$

**20)** *Carole works at a bookstore and a restaurant. In a 28-day period, Carole worked  $\frac{1}{4}$  of the days at the bookstore and did not work  $\frac{1}{14}$  of the days. On the remaining days Carole worked at the restaurant. How many days did Carole work at the restaurant during the 28-day period?*

- a.** 25
- b.** 19
- c.** 10
- d.** 9

# Advanced Algebra & Functions

Sample  
Questions

# Accuplacer Advanced Algebra and Functions Sample Questions

The Next-Generation Advanced Algebra and Functions placement test is a computer adaptive assessment of test-takers' ability for selected mathematics content.

Questions will focus on a range of topics, including a variety of equations and functions, including linear, quadratic, rational, radical, polynomial, and exponential.

Questions will also delve into some geometry and trigonometry concepts. In addition, questions may assess a student's math ability via computational or fluency skills, conceptual understanding, or the capacity to apply mathematics presented in a context.

All questions are multiple choice in format and appear discretely (stand alone) across the assessment. The following knowledge and skill categories are assessed:

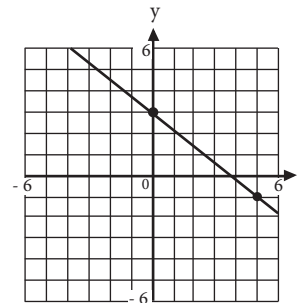
- Linear equations
- Linear applications
- Factoring
- Quadratics
- Functions
- Radical and rational equations
- Polynomial equations
- Exponential and logarithmic equations
- Geometry concepts
- Trigonometry

Choose the best answer. If necessary, use the paper you were given.

1) Function  $g$  is defined by  $g(x) = 3(x + 8)$ . What is the value of  $g(12)$ ?

- a.  $-4$
- b.  $20$
- c.  $44$
- d.  $60$

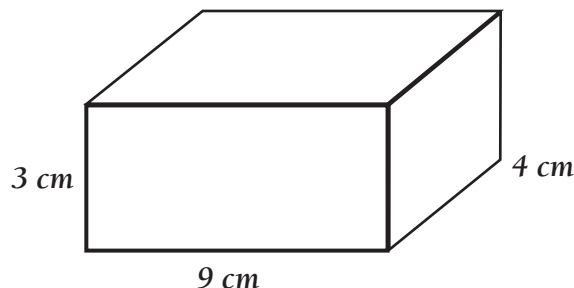
2)



Which of the following is an equation of the line that passes through the point  $(0, 0)$  and is perpendicular to the line shown above?

- a.  $y = \frac{5}{4}x$
- b.  $y = \frac{5}{4}x + 3$
- c.  $y = -\frac{4}{5}x$
- d.  $y = -\frac{4}{5}x + 3$

3)



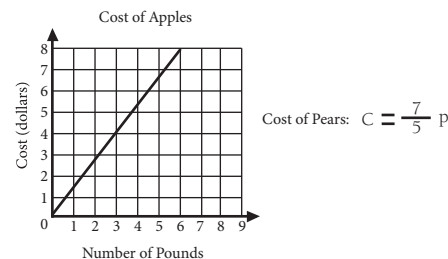
The surface area of a right rectangular prism can be found by finding the sum of the area of each of the faces of the prism. What is the surface area of a right rectangular prism with length 4 centimeters (cm), width 9 cm, and height 3 cm? (Area of a rectangle is equal to length times width.)

- a. 75 cm<sup>2</sup>
- b. 108 cm<sup>2</sup>
- c. 120 cm<sup>2</sup>
- d. 150 cm<sup>2</sup>

4) Which of the following expressions is equivalent to  $(x + 7)(x^2 - 3x + 2)$ ?

- a.  $x^3 - 3x^2 + 2x + 14$
- b.  $x^3 + 4x^2 - 19x + 14$
- c.  $x^3 - 3x + 14$
- d.  $x^2 - 2x + 9$

5)



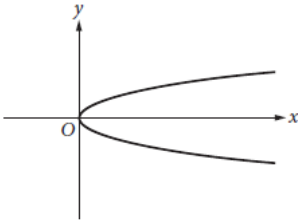
The graph above shows the cost, in dollars, of apples as a function of the number of pounds of apples purchased at a particular grocery store. The equation above defines the cost  $C$ , in dollars, for  $p$  pounds of pears at the same store. Which of the following statements accurately compares the cost per pound of apples and the cost per pound of pears at this store?

- a. Apples cost approximately \$0.07 less per pound than pears do.
- b. Apples cost approximately \$0.04 less per pound than pears do.
- c. Apples cost approximately \$0.73 less per pound than pears do.
- d. Apples cost approximately \$0.62 more per pound than pears do.

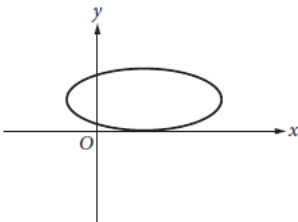


6) Which of the following is the graph of a function where  $y = f(x)$ ?

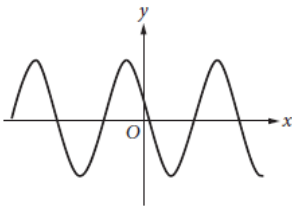
a.



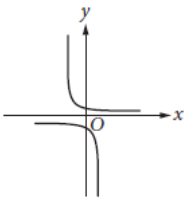
b.



c.



d.



7) Which of the following expressions is equivalent to  $3x^2 + 6x - 24$ ?

a.  $3(x + 2)(x - 4)$

b.  $3(x - 2)(x + 4)$

c.  $(x + 6)(x - 12)$

d.  $(x - 6)(x + 12)$

8) A biologist puts an initial population of 500 bacteria into a growth plate. The population is expected to double every 4 hours. Which of the following equations gives the expected number of bacteria,  $n$ , after  $x$  days? (24 hours = 1 day)

a.  $n = 500(2)^x$

b.  $n = 500(2)^{6x}$

c.  $n = 500(6)^x$

d.  $n = 500(6)^{2x}$

9)  $3x^2 + 6x - 24$

Which of the following values of  $x$  satisfies the equation above?

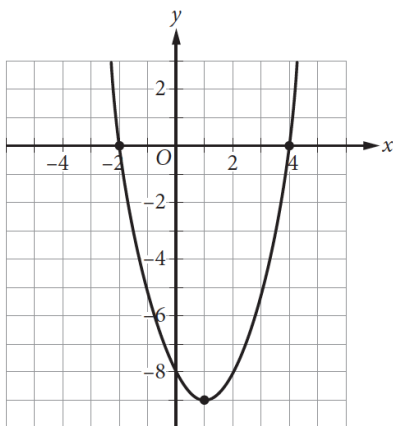
a. 7

b. 3

c. -2

d. -7

10) The graph of  $y = f(x)$  is shown in the  $xy$ -plane below.



Which of the following equations could define  $f(x)$ ?

- a.  $f(x) = x^2 - 2x - 8$
- b.  $f(x) = -x^2 + 2x - 8$
- c.  $f(x) = (x - 2)(x + 4)$
- d.  $f(x) = -(x - 1)^2 - 9$

11) Which of the following best describes the range of  $y = -2x^4 + 7$ ?

- a.  $y \leq -2$
- b.  $y \geq 7$
- c.  $y \leq 7$
- d. All real numbers

12) For which of the following equations is  $x = 6$  the only solution?

- a.  $(6x)^2 = 0$
- b.  $(x - 6)^2 = 0$
- c.  $(x + 6)^2 = 0$
- d.  $(x - 6)(x + 6) = 0$

13) If  $f(x) = x^2 + 3x + 1$ , what is  $f(x + 2)$ ?

- a.  $x^2 + 3x + 3$
- b.  $(x + 2)^2 + 3(x + 2) + 1$
- c.  $(x + 2)(x^2 + 3x + 1)$
- d.  $x^2 + 3x + 9$

14) What, if any, is a real solution to  $\sqrt{5x + 1} + 9 = 3$ ?

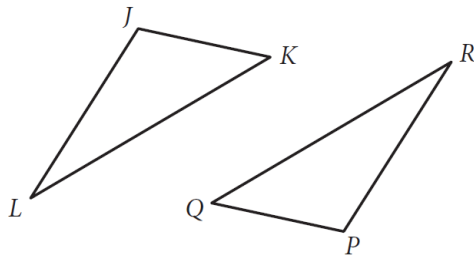
- a.  $-\frac{1}{5}$
- b. 7
- c.  $\frac{143}{5}$
- d. There is no real solution.

15) If  $x \neq -2$  and  $x \neq -\frac{3}{2}$ , what is the solution to

$$\frac{5}{x+2} = \frac{x}{2x-3}$$

- a. 3 and 5
- b. 2 and  $-\frac{3}{2}$
- c. -2 and  $\frac{3}{2}$
- d. -3 and -5

16)



Triangle JKL and triangle PQR are shown above. If  $\angle J$  is congruent to  $\angle P$ , which of the following must be true in order to prove that triangles JKL and PQR are congruent?

- a.  $\angle L = \angle R$  and  $JL = PR$
- b.  $KL = QR$  and  $PR = JL$
- c.  $JK = PQ$  and  $KL = QR$
- d.  $\angle K \cong \angle Q$  and  $L \cong R$

17) In the function  $f(x) = a(x+2)(x-3)^b$ ,  $a$  and  $b$  are both integer constants and  $b$  is positive. If the end behavior of the graph of  $y = f(x)$  is positive for both very large negative values of  $x$  and very large positive values of  $x$ , what is true about  $a$  and  $b$ ?

- a.  $a$  is negative, and  $b$  is even.
- b.  $a$  is positive, and  $b$  is even.
- c.  $a$  is negative, and  $b$  is odd.
- d.  $a$  is positive, and  $b$  is odd.

18) Which of the following equations is equivalent to  $2^{5x} = 7$ ?

- a.  $x = \log_2\left(\frac{7}{5}\right)$
- b.  $x = \frac{\log_2 7}{5}$
- c.  $x = \frac{\log_7 2}{5}$
- d.  $x = \frac{\log_7 5}{2}$

19) If  $x > 0$  and  $y > 0$ , which of the following expressions is equivalent to  $\frac{x - y}{\sqrt{x} - \sqrt{y}}$

a.  $\frac{x - y}{\sqrt{x - y}}$

b.  $\sqrt{x - y}$

c.  $\sqrt{x} + \sqrt{y}$

d.  $x\sqrt{x} + y\sqrt{y}$

20) In triangle ABC, angle C is a right angle. If  $\cos A = \frac{5}{8}$ , what is the value of  $\cos B$ ?

a.  $\frac{3}{8}$

b.  $\frac{5}{8}$

c.  $\frac{\sqrt{39}}{8}$

d.  $\frac{\sqrt{89}}{8}$

# Test Answer Sheet

## Accuplacer Practice

**Directions:** For each question, select your answer on the computer then write the LETTER of your answer on the lines below. For math questions, you can use the space underneath the each question to work out your answer.

Accuplacer Practice  
***Test Answer Sheet***

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<i>Reading</i>	<i>Writing</i>	<i>Quant. Reasoning Algebra &amp; Statistics</i>	<i>Arithmetic</i>	<i>Adv. Algebra &amp; Functions</i>
1.	1.		1.	1.
2.	2.	1.	2.	2.
3.	3.	2.	3.	3.
4.	4.	3.	4.	4.
5.	5.	4.	5.	5.
6.	6.	5.	6.	6.
7.	7.	6.	7.	7.
8.	8.	7.	8.	8.
9.	9.	8.	9.	9.
10.	10.	9.	10.	10.
11.	11.	10.	11.	11.
12.	12.	11.	12.	12.
13.	13.	12.	13.	13.
14.	14.	13.	14.	14.
15.	15.	14.	15.	15.
16.		15.	16.	16.
17.		16.	17.	17.
18.		17.	18.	18.
19.		18.	19.	19.
20.		19.	20.	20.
		20.		

Accuplacer Practice  
**Test Answer Sheet**

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<i>Reading</i>
1. <b>b</b>
2. <b>a</b>
3. <b>d</b>
4. <b>d</b>
5. <b>b</b>
6. <b>d</b>
7. <b>a</b>
8. <b>b</b>
9. <b>c</b>
10. <b>d</b>
11. <b>d</b>
12. <b>b</b>
13. <b>c</b>
14. <b>a</b>
15. <b>a</b>
16. <b>b</b>
17. <b>d</b>
18. <b>b</b>
19. <b>c</b>
20. <b>d</b>

<i>Writing</i>
1. <b>d</b>
2. <b>d</b>
3. <b>a</b>
4. <b>c</b>
5. <b>a</b>
6. <b>c</b>
7. <b>a</b>
8. <b>a</b>
9. <b>c</b>
10. <b>d</b>
11. <b>b</b>
12. <b>a</b>
13. <b>a</b>
14. <b>d</b>
15. <b>b</b>

<i>Quant. Reasoning Algebra &amp; Statistics</i>
1. <b>d</b>
2. <b>c</b>
3. <b>d</b>
4. <b>a</b>
5. <b>a</b>
6. <b>d</b>
7. <b>c</b>
8. <b>b</b>
9. <b>b</b>
10. <b>a</b>
11. <b>c</b>
12. <b>a</b>
13. <b>d</b>
14. <b>c</b>
15. <b>b</b>
16. <b>c</b>
17. <b>c</b>
18. <b>b</b>
19. <b>b</b>
20. <b>d</b>

<i>Arithmetic</i>
1. <b>d</b>
2. <b>d</b>
3. <b>a</b>
4. <b>c</b>
5. <b>c</b>
6. <b>a</b>
7. <b>c</b>
8. <b>d</b>
9. <b>b</b>
10. <b>c</b>
11. <b>b</b>
12. <b>b</b>
13. <b>a</b>
14. <b>a</b>
15. <b>b</b>
16. <b>a</b>
17. <b>d</b>
18. <b>d</b>
19. <b>c</b>
20. <b>b</b>

<i>Adv. Algebra &amp; Functions</i>
1. <b>d</b>
2. <b>a</b>
3. <b>d</b>
4. <b>b</b>
5. <b>a</b>
6. <b>c</b>
7. <b>b</b>
8. <b>b</b>
9. <b>d</b>
10. <b>a</b>
11. <b>c</b>
12. <b>b</b>
13. <b>b</b>
14. <b>d</b>
15. <b>a</b>
16. <b>a</b>
17. <b>d</b>
18. <b>b</b>
19. <b>c</b>
20. <b>c</b>

## *Scrap paper*

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*Scrap paper*

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*Scrap paper*

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## CENTER FOR ACADEMIC PROGRESS (CAP)

The CAP offers help preparing for the Accuplacer test and refreshing skills in math and English.

We recommend the [Free Accuplacer Study App](#) as a quick and easy way to practice for the test. Create a free account to take a sample test or learn as you go through practice questions.

You can sign up at  
<https://accuplacerpractice.collegeboard.org/login>

You can also [visit](#) or call CAP for more help preparing for the placement test.

or

Sign up for a [FREE REFRESHER PROGRAM](#) after taking the placement test.

### CAP - Contact Info:

**(203) 332 - 8585**

LH- B146 & LH- B151

## How to schedule a Placement Test

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1. Visit [www.housatonic.edu](http://www.housatonic.edu)
2. Click under [Admissions & Financial Aid](#)
3. Click Placement Testing
4. Schedule your appointment!!!

## ADDITIONAL STUDY SUGGESTIONS

[www.housatonic.edu](http://www.housatonic.edu)

[www.testprepreview.com](http://www.testprepreview.com)

[www.wyzant.com](http://www.wyzant.com)

A very special appreciation to the **Bridges Program** for their *support* in printing this booklet.



Thank you for completing the **Accuplacer Sample TEST!**

## BRIDGES OUTREACH PROGRAM

The overall goal of the **Bridges Program** at **Housatonic Community College** is to strengthen the partnership with high schools in order to close the achievement gap and make high school students “college ready”, and to make the transition from high school to college an easier, understandable process.

The HCC program offers a series of four workshops:

- **Orientation to College.**
- **Placement Test Prep.**
- **Applying for Financial Aid.**
- **College Experience.**

**Orientation to College** informs the students of basic college life, what to expect, costs, college terms and more. When possible, a HCC student speaks with the students. The Admissions office takes part also and speaks about the application process. We offer the students the opportunity to complete a HCC application at this workshop, and in doing so, the application fee is waived. This does not mean that they must attend HCC. Students are made aware of different resources available to them at HCC.

**Placement Test Prep** is a sample of the Next Generation Accuplacer test required of students for placement in classes. Students are given a sample of the Accuplacer: nine questions in arithmetic, nine in algebra, six in reading comprehension and six in sentence skills. Using their results, a chart is given to show if they would likely place into developmental class or a college level class. An excel sheet is developed to show the results for each student in each category. The results are sent to guidance counselors and other school officials wishing to learn the results. Students are also given a list of websites to go to for practice and help.

**Applying for Financial Aid** workshop is presented by our in-house expert on financial aid. It is given in a concise, understandable form for students. Holly Franquet is available for FAFSA help and speaks fluent Spanish.

**College Experience** offers students the opportunity to witness and take part in a college class or meet with a professor. Choice of classes to visit depends upon availability of professors.

**Orientation to College** and **College Experience** are presented at HCC.

Sample of the placement and financial aid may be presented at the high school. With the rising costs of education, HCC is affordable; less than \$5,000.00 for one year. We have many articulation and transfer agreements with several colleges.

BRIDGES  
ACCUPLACER  
SAMPLE  
TEST



**HOUSATONIC**  
COMMUNITY COLLEGE