Reading and Writing Module 1

1

In some of his sculptures, Allan Houser uses abstract geometric shapes to depict his subjects rather than portraying them in realistic detail. For instance, his 1989 work Embrace is highly abstract and therefore differs strikingly from some of his other pieces in which the viewer can easily _____ familiar objects.

Which choice completes the text with the most logical and precise word or phrase?

A) reveal

B) remember

C) ignore

D) identify

2

During film's early years, those who worked in the industry had a vested interest in convincing the public to embrace the new medium. As Sumiko Higashi argues, some filmmakers relied on film critics to influence the public's _____ the world of cinema. Critics who drew similarities between film and traditional art forms, like drama, could help legitimize film as an art form.

Which choice completes the text with the most logical and precise word or phrase?

A) contribution to

B) perception of

C) reproduction of

D) application to

3

The dinosaur displays at museums such as the Field Museum of Natural History in Chicago (which has a mounted Apatosaurus skeleton among its holdings) are notable for the _____ of the research behind them --- the museum staff consulted numerous sources to ensure the accuracy of the displays.

Which choice completes the text with the most logical and precise word or phrase?

A) rigor

B) obscurity

C) shallowness

D) novelty

4

Agglomeration economies arise when multiple firms in related industries _____ an area, as with ceramic tile manufacturers and nonconstruction ceramics manufacturers in London, UK. Economists have assumed that companies cluster for the same reasons, but Giulia Faggio et al. found that factors driving agglomeration in some cases are only weakly correlated with agglomeration in others.

Which choice completes the text with the most logical and precise word or phrase?

A) amass in

B) appeal to

C) intercede in

D) concur with

5

Today's theater stages are frequently filled with props and scenery to immerse the audience in a play's world. Because theatergoers have grown used to carefully designed sets, plays with few visual elements can surprise audiences. But simple, unadorned stages were likely _____ audiences in the very distant past: highly decorated and detailed sets were not common until the 1600s.

Which choice completes the text with the most logical and precise word or phrase?

A) disliked by

B) confusing to

C) expected by

D) exciting to

6

A team of researchers discovered that Matabele ants can identify an infected wound in a member of the colony and then treat the infection by covering the wound with antimicrobial secretions that the ants produce. The team found that the mortality rate for Matabele ants with infected injuries was reduced by 90% with this treatment, and they are hopeful that this discovery could aid in the development of new antibiotics for human use.

Which choice best describes the overall structure of the text?

A) It identifies an issue concerning Matabele ants and then proposes a solution to address the issue.

B) It describes unique properties of Matabele ants and then speculates on how those properties evolved.

C) It summarizes research findings on Matabele ants and then identifies an area for further research.

D) It introduces a study of Matabele ants and then explains the research methods used in the study.

7

The following text is adapted from George Eliot's 1857 short story "The Sad Fortunes of the Rev. Amos Barton." Mr. Ely is a clergyman in the town of Milby.

By the laity of Milby and its neighbourhood [Mr. Ely] was regarded as a man of quite remarkable powers and learning, who must make a considerable sensation in London pulpits and drawing-rooms on his occasional visit to the metropolis; and by his brother clergy he was regarded as a discreet and agreeable fellow. Mr. Ely never got into a warm discussion; he suggested what might be thought, but rarely said what he thought himself; he never let either men or women see that he was laughing at them, and he never gave any one an opportunity of laughing at him.

Which choice best describes the overall structure of the text?

A) It shows that Mr. Ely had originally been held in high regard by his friends and then details the events that caused their regard for him to subside.

B) It highlights the disparity between Mr. Ely's public and private behavior and then conveys why he labors to obscure his true self from other people.

C) It implies that Mr. Ely's neighbors are more naive in their estimation of him than people in London are and then explains why his neighbors have been so easily misled.

D) It presents the favorable opinion of Mr. Ely that other people hold and then describes the behaviors of Mr. Ely that enable him to maintain that favorable opinion.

Elio Sucena and colleagues have explored how convergent evolution ---a phenomenon that occurs when the same trait evolves independently in two reproductively separate lineages --- can result from a genetic mechanism shared by both lineages. Meanwhile, Patricia J. Wittkopp and colleagues have investigated how convergence occurs through different genetic mechanisms, but the relative prevalence of convergence through shared and different genetic processes is still poorly understood. This motivated biologists Delbert A.Green ll and Cassandra G. Extavour to evaluate both types of convergence in a single study for their 2012 paper.

Which choice best states the overall structure of the text?

A) It explains a widespread assumption about a phenomenon, describes two studies that are based on that assumption, and explains why the assumption is unfounded.

B) It discusses a particular study of a phenomenon, elaborates on how two other studies have approached this phenomenon in the past, and critiques the first study's approach.

C) It details the development of a field of scientific inquiry, gives examples of three studies that were important to this development, and speculates on how future studies can develop these ideas.

D) It describes a phenomenon, provides examples of two studies of that phenomenon, and mentions a third study of that phenomenon.

The following text is from a translation of Maria Dueñas's 2009 novel The Time in Between. The narrator has just rented an apartment and is entering it for the first time.

Over the years there have been many times when my destiny has delivered me unexpected moments, unforeseen twists and turns that I've had to handle on the fly as they appeared. Occasionally I was ready for them: very often I wasn't. Never, however, was I so aware of entering a new stage as I was that afternoon in October when I finally dared to cross the threshold and my steps sounded hollowly in the unfurnished apartment. Behind me was a complicated past, and in front of me, like an omen, l could see a space opening out, a great empty space that time would take care of filling up.

Which choice best states the main idea of the text?

A) The narrator feels optimistic about the future success of a new business.

B) The narrator recognizes that a particular moment marks a major shift in her life.

C) The narrator has always had a plan for how to handle big moments in her life.

D) The narrator wants to express her gratitude for the people who have helped her.

In Brazil, use of solid fuel (e.g., coal, wood) as a share of total household fuel use fell by around 70 percent between 2000 and 2019; such shifts are typically explained by appeal to the energy ladder, a model holding that fuel choice is mediated mainly by household income (specifically, high-technology fuels displace solid fuels as incomes rise). Alemu Mekonnen and Gunnar Kohlin's study of fuel use in Ethiopia shows this model to be reductive, however: household fuel use was heterogeneous, flexible, and influenced by several factors, including households' cooking habits.

Based on the text, how would an advocate of the energy ladder model most likely explain the change observed in Brazil?

A) Between 2000 and 2019, household incomes rose in Brazil. resulting in households meeting a greater proportion of their fuel needs with high-technology fuels.

B) Beginning in 2000, high-technology fuels became more readily available in Brazil, enabling households of various income levels to shift away from solid fuels

C) Solid fuel use declined in Brazil between 2000 and 2019 because changes in household income during that period made solid fuels more expensive relative to income.

D) Household incomes in Brazil rose from 2000 to 2019, which weakened the association between income and household fuel choice.

Millions of Metric Tons of Copper Mined in 1995 and 2020

Country	1995	2020
Mexico	0.33	0.73
United States	1.85	1.20
Peru	0.38	2.15
Poland	0.38	0.39

While doing research for a paper about metal exports, a student finds information about copper mining in different countries in 1995 and 2020. The student notes that Peru produced 0.38 million metric tons of copper in 1995 and _____

Which choice most effectively uses data from the table to complete the statement?

A) 0.73 million metric tons of copper in 2020

B) 0.39 million metric tons of copper in 2020

C) 2.15 million metric tons of copper in 2020
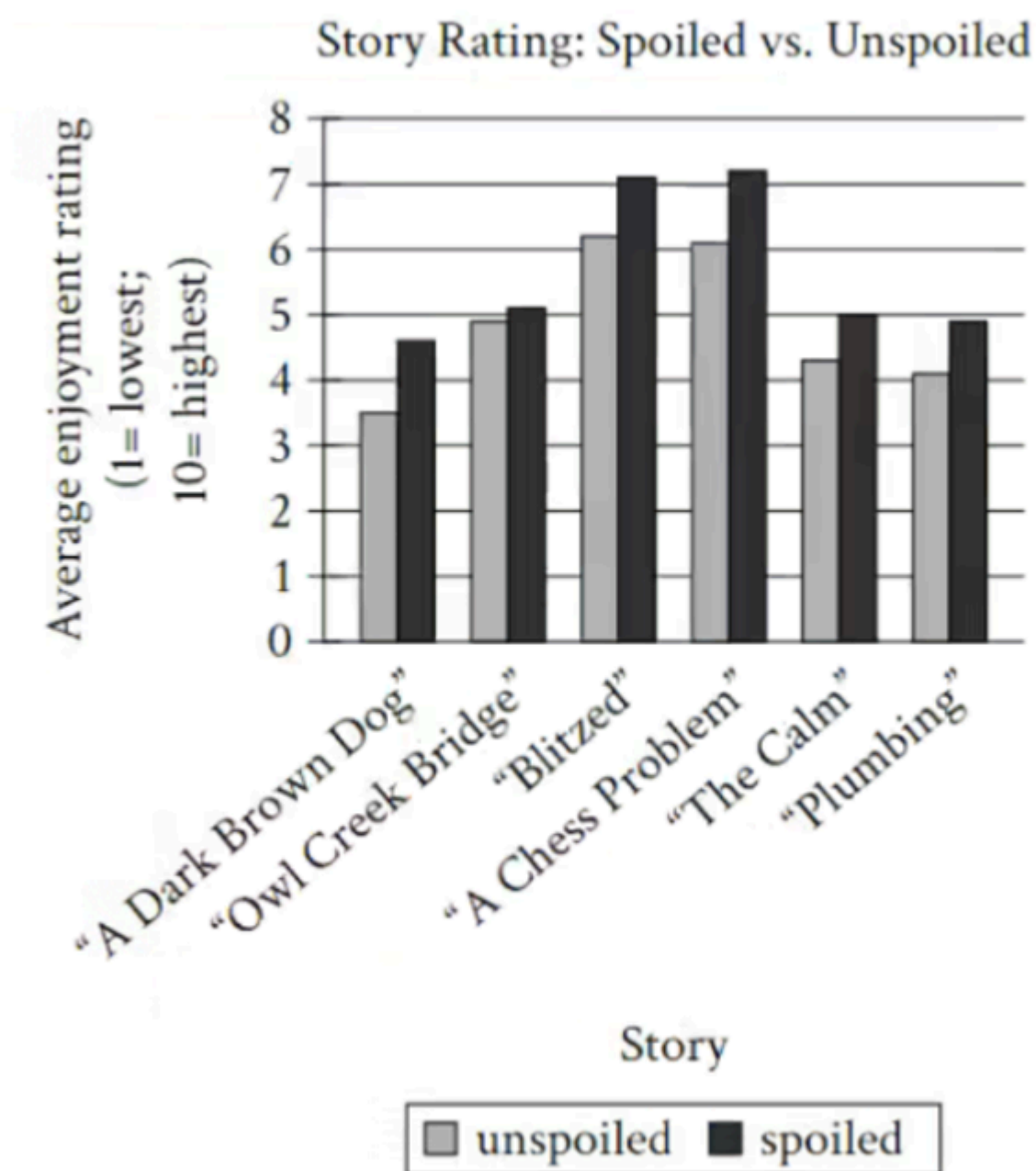
D) 1.20 million metric tons of copper in 2020.

"Aunt Sue's Stories" is a 1926 poem by Langston Hughes. In the poem, the speaker indicates that the stories Aunt Sue tells are based on Aunt Sue's personal experiences, saying that _____

Which choice most effectively uses a quotation from "Aunt Sue's Stories" to illustrate the claim?

A) a listening child "knows that Aunt Sue / Never got her stories out of any book at all./ But that they came / Right out of her own life."

B) the people in the stories "Mingle themselves softly / In the flow of old Aunt Sue's voice,/ Mingle themselves softly."

C) dark shadows "cross and recross / Aunt Sue's stories."

D) the stories are told during "Summer nights on the front porch."

Story Rating: Spoiled vs. Unspoiled

Researchers investigated how enjoyment of a story is affected when it has been spoiled (when the reader has foreknowledge of an important plot development). As part of the study, participants rated their enjoyment of one story that was spoiled before they read it and one story that was unspoiled. For each story, participants who had been given a spoiler reported greater enjoyment than did those who hadn't received a spoiler. But the degree of this difference varied across the stories, as is best illustrated by the enjoyment ratings for _____

Which choice most effectively uses data from the graph to complete the statement?

A) "Owl Creek Bridge" and "A Chess Problem."

B) "The Calm" and "Plumbing."

C) "Blitzed" and "A chess Problem."

D) "Blitzed" and "Plumbing."

14

Although Eastern North Pacific (ENP) gray whales generally migrate between their wintering waters along the coast of Mexico and their foraging waters in the Arctic, a subset of this population --- known as the Pacifc Coast Feeding Group (PCFG) --- forages along the coastlines of Northern California (USA) and British Columbia (Canada) instead. Interestingly, individuals in this subset reach smaller maximum sizes than other ENP whales do, despite having similar pre-maximum growth rates. Researchers hypothesize that this difference may be an adaptation to distinct resource opportunities in the PCEG foraging range.

Which finding, if true, would most directly support the researchers' claim regarding the size of PCFG whales?

A) When foraging along the coasts of Northern California and British Columbia, PCFG whales are in closer proximity to major ports and urban populations than ENP whales in the main group are when foraging in Arctic waters

B) The average body size of PCFG whales observed along the coasts of Northern California and British Columbia has remained relatively steady in recent decades while the average body size of ENP whales in the main group has slightly decreased.

C) When present along the coasts of Northern California and British Columbia, PCFG whales tend to forage in rocky kelp beds at shallow depths inaccessible to whales as large as those in the ENP main group.

D) Certain crustacean prey species available along the coasts of Northern California and British Columbia where PCFG whales tend to forage are not available in the Arctic waters where ENP whales in the main group forage.

15

Ocean Vuong's 2019 novel On Earth We're Briefly Gorgeous is regularly described as autobiographical. That characterization is apt --- there are many parallels between the experiences of the novel's character of Little Dog and those of Vuong --- but it should not be taken to mean that all the people and events depicted in On Earth We're Briefly Gorgeous are based on actual people and events. The novel is largely pure invention, and readers who neglect this fact and instead try to identify more and more real-life analogues thus risk _____

Which choice most logically completes the text?

A) positing unsupportable connections between On Earth We're Briefly Gorgeous and Vuong's life.

B) minimizing the fact that Vuong drew on real-world material when writing On Earth We're Briefly Gorgeous.

C) misrepresenting On Earth We're Briefly Gorgeous as being more widely read than it actually is.

D) overemphasizing the extent to which Vuong took inspiration from earlier writers.

16

The first modern public zoo opened at the height of the French Revolution in 1793. Located in downtown Paris, the zoo was called the Menagerie du Jardin des Plantes. It was filled with living animals that had been confiscated _____ the private collections of French aristocrats.

Which choice completes the text so that it conforms to the conventions of standard English?

A) from;

B) from

C) from:

D) from,

17

Museo de Recursos Históricos de Lares, a history museum in Lares, Puerto Rico, is one of more than eighty museums in the US territory. Puerto Rico's museums _____ visitors about everything from the territory's history to its architecture to its coffee

Which choice completes the text so that it conforms to the conventions of standard English?

A) having informed

B) informing

C) to inform

D) inform

18

In May of 1959, the song "Danny Boy" was a top-ten hit. Having climbed the charts for ten weeks, _____ ranked No. 1 on the Billboard Hot 100 list of most popular songs.

Which choice completes the text so that it conforms to the conventions of standard English?

A) those

B) they

C) each

D) it

A worker cooperative is a business that is owned and operated by its workers. This model stands in contrast to traditional models in which a smaller group of owners controls a company. Because the profits made by a cooperative are shared by all workers --- who are also owners --- the workers _____ directly from its success.

Which choice completes the text so that it conforms to the conventions of standard English?

A) benefit

B) had benefited

C) benefited

D) were benefiting

The 2020 documentary Without a Whisper --- Konon:Kwe was directed by Katsitsionni Fox. It explores how Indigenous Haudenosaunee culture shaped the woman suffrage movement in the early nineteenth _____ how the personal and political authority Haudenosaunee women had in their communities influenced the first suffragists in the US.

Which choice completes the text so that it conforms to the conventions of standard English?

A) century revealing

B) century; revealing

C) century. Revealing

D) century, revealing

Generally, sleek vehicles are more aerodynamic than bulkier ones. For example, the streamlined nose of the T-38 Talon iet helps it glide through wind with relative ease. _____ a boxy semitruck encounters more wind resistance, making it less aerodynamic.

Which choice completes the text with the most logical transition?

A) As a result,

B) Specifically,

C) In conclusion,

D) On the other hand,

In astrophysics, a ring of debris orbiting a larger object within the object's Roche limit is expected to persist as a ring, whereas a ring of debris orbiting outside this limit would likely accrete into a satellite (e.g.. a moon). Bruno Morgado and colleagues, _____ detected a dense ring of material orbiting the trans-Neptunian object Quaoar at a distance of 2.500 miles, well outside the calculated Roche limit of 1,100 miles, that has remained intact.

Which choice completes the text with the most logical transition?

A) fittingly,

B) for example,

C) likewise,

D) though,

While researching a topic, a student has taken the following notes:

- Tianguistengo is a municipality in the state of Hidalgo, Mexico.

- Municipalities are governmental regions responsible for providing many public services to their residents.

- One service they provide is traffic control.

- Tianguistengo covers an area of roughly 256 km2

- Hidalgo is divided into 84 municipalities.

The student wants to emphasize the size of Tianguistengo. Which choice most effectively uses relevant information from the notes to accomplish this goal?

   A) Tianguistengo is one of 84 governmental regions, known as municipalities, across Hidalgo.

   B) Providing traffic control is just one example of the public services that municipalities provide.

   C) Tianguistengo --- a governmental region in the state of Hidalgo. Mexico --- provides many public services to its residents.

   D) The municipality of Tianguistengo in Hidalgo, Mexico, covers an area of roughly256 km2.

While researching a topic, a student has taken the following notes:

- Most of the plant and bird species in Oahu, Hawaii, are non-native.

- In a 2019 study, researchers wanted to know what role non-native birds play in dispersing plant seeds in Oahu.

- Researchers catalogued plant seeds found in fecal samples from non-native birds.

- Psydrax odorata, a flowering shrub, was one of fifteen native species catalogued.

- Cestrum nocturnum, a nightshade, was one of twenty-nine non-native species catalogued.

- Researchers concluded that non-native birds play a vital role in dispersing the seeds of native and non-native plants.

The student wants to emphasize a difference between the two plants. Which choice most effectively uses relevant information from the notes to accomplish this goal?

   A) Most plant species found in Oahu, Hawaii, like Cestrum nocturnum, are non-native.

   B) Though Psydrax odorata and Cestrum nocturnum can both be found in Oahu, Hawaii, only the former plant is native.

   C) A 2019 study catalogued plant seeds found in bird fecal samples in Oahu, Hawaii, to determine what role non-native birds play in seed dispersal

   D) Seeds from Psydrax odorata and Cestrum nocturnum plants were found in the fecal samples of non-native Hawaiian birds, according to a 2019 study.

While researching a topic, a student has taken the following notes:

- A supercontinent is a single landmass made up of most or all of Earth's continents

- Over time, continents merge together to form supercontinents, which then break apart.

- This process is believed to take hundreds of millions of years and is known as the supercontinent cycle

- Ur was a supercontinent that formed about 3.1 billion years ago.

- Pangaea was a supercontinent that formed about 300 million years ago.

The student wants to emphasize the order in which the supercontinents were formed. Which choice most effectively uses relevant information from the notes to accomplish this goal?

A) Ur formed about 3.1 billion years ago but eventually broke apart.

B) Ur and Pangaea were both supercontinents, single landmasses made up of most or all of Earth's continents.

C) The supercontinent Pangaea formed long after the supercontinent Ur.

D) Forming and breaking apart over hundreds of millions of years, supercontinents are made up of most or all of Earth's continents

26

While researching a topic, a student has taken the following notes:

- Generally, an object will heat up when twisted.

- The twisting of an object is known as torsion.

- A 2019 study led by Zunfeng Liu and Ray Baughman tested the torsional heating of various fibers.

- When a sample of ethylene propylene diene monomer (EPDM) rubber fiber was twisted, its average surface temperature increased by 12°C.

- When a sample of four-ply nickel-titanium (NiTi) wire was twisted, its average surface temperature increased by 30.4°C.

The student wants to emphasize a similarity between EPDM rubber and four-ply NiTi wire fibers. Which choice most effectively uses relevant information from the notes to accomplish this goal?

A) In 2019, two research teams observed the effects of torsional heating on various fibers, including EPDM rubber and four-ply NiTi wire.

B) Both EPDM rubber and four-ply NiTi wire fibers heat up when twisted, according to a 2019 study.

C) Researchers determined that when the fibers were twisted, the average surface temperature of four-ply NiTi wire increased more than that of EPDM rubber

D) Twisting an object will generally cause its temperature to increase, a process known as torsional heating.

27

- In a 2003 study, Alexander and Schrag tested the effect of plant litter on seedling emergence in a grassland setting.

- The test site was a mesic grassland in a dry midlatitude climate in the United States.

- The researchers found that in these environmental conditions the presence of plant litter had a positive effect on seedling emergence.

- Seedling emergence is when a seedling sprouts above ground and begins photosynthesis

Which choice most effectively uses information from the given sentences to present the study's findings to an audience already familiar with the concept of seedling emergence?

A) The findings of Alexander and Schrag's study were published in 2003.

B) In a 2003 study by Alexander and Schrag, plant litter was found to have a positive effect on seedling emergence, which is when a seedling sprouts and begins photosynthesis

C) The effect of plant litter, which includes dead leaves and other plant matter, on seedling emergence has been the subject of scientific study.

D) Alexander and Schrag found that in a mesic grassland and a dry mid-latitude climate the presence of plant litter had a positive effect on seedling emergence.

Reading and Writing Module 2

27 QUESTIONS

1

As with other river deltas, the Shatt al-Arab River delta is _____ : it is a constantly evolving network of channels and strips of land that change in size and shape as the river deposits new sedimentary particles where the river meets the waters of the Persian Gulf.

Which choice completes the text with the most logical and precise word or phrase?

A) dynamic

B) immutable

C) unrivaled

D) sustainable

2

Lucian of Samosata (modern-day Turkey) was a second-century satirist who mostly published critiques of philosophers of the time. His work True History, however, is _____ : featuring tropes that are hallmarks of present-day science fiction (e.g.. space travel, interplanetary conflict), it is regarded by some scholars as the earliest known work in the genre.

Which choice completes the text with the most logical and precise word or phrase?

A) authorized

B) applicable

C) sarcastic

D) visionary

3

During the 2007-2010 financial crisis, the United States furnished billions of dollars to selected countries' central banks via mechanisms called swap lines. Aditi Sahasrabuddhe found that countries' policy environments seem to have been _____ swap-line decisions: the probability that banks would be granted swap lines was 0.20 in countries open to foreign-capital inflows and 0.03 in countries with policies restricting such inflows.

Which choice completes the text with the most logical and precise word or phrase?

A) predicated on

B) material to

C) mediated by

D) decoupled from

4

Founded in Long Beach, California, in 1996, the Museum of Latin American Art is dedicated to modern and contemporary art by Latin American artists and Latino artists in the United States. Since its founding, it has acquired more than 1,300 objects for its permanent collection. More recently founded US-based institutions

devoted to Latino cultures include the National Hispanic Cultural Center. Located in Albuquerque, it focuses on the literature, art, and cultures of Latin America as well as of Latino communities in the United States.

Which choice best states the main purpose of the text?

A) To trace the founding of two institutions, including how they acquired funding to purchase artworks

B) To draw a contrast between the collection sizes of two institutions

C) To present information about two institutions, including each institution's area of focus

D) To trace a historical development that encouraged the founding of two institutions

5

Paintings by the Florida Highwaymen-an informal collective of prolific landscape artists active in Florida during the 1950s and '60s --- are recognizable by their reiteration of the same general compositional structures and subjects: breaking waves and backcountry pines, to name two. But there was room for individuation: Sam Newton's Tangerine Sky, for example, may resemble other Highwaymen paintings at first glance, but his works stand out for their more realistic and less impressionistic qualities.

Which choice best describes the overall structure of the text?

A) It describes an aesthetic framework shared by a particular group of artists and then makes and illustrates the claim that individuals introduced variations within that framework.

B) It describes the common perception that a particular group of artists' works are derivative and then provides a specific piece of evidence that reinforces that perception.

C) It offers historical context that accounts for a particular group of artists' shared style and then indicates the circumstances under which several members of that group began exploring more unconventional themes

D) It explains how a particular group of artists began collaborating and then recounts how one member of that group became especially influential among them.

6

Text 1

Hycean planets are a class of exoplanets (planets outside our solar system) with oceans of liquid water --- critical to supporting life-and atmospheres rich in hydrogen. Computer models have determined that for potential hycean planets, the range of the habitable zone(HZ), the distance from a star that allows a planet to retain liquid water on its surface, begins at about 1 astronomical unit (AU). In 2021, Nikku Madhusudhan et al. identified K2-18b as a hycean candidate, noting that the planet is located right on the inner edge of the HZ

Text 2

In a 2023 paper, Shang-Min 'Tsai et al. claimed that the hydrogen-rich atmospheres of K2-18b and other hycean candidates admit wavelengths of light that cause elevated surface temperatures and increased water evaporation. Unlike earlier assessments, Tsai et al.'s calculations therefore placed the inner edge for these planets' HZ as far out as 3.85 AU.

Based on the texts, how would Tsai et al. (Text 2) most likely respond to Madhusudhan et al.'s research, as presented in Text 1?

A) By observing that unlike the hycean candidate Madhusudhan et al. discovered most other types of planets with hydrogen-rich atmospheres are likely located within the HZ

B) By maintaining that Madhusudhan et al, relied on a model whose estimates of surface temperatures on hycean candidates are likely too high

C) By arguing that K2-18 b and other hycean candidates are unlikely to support life because these planets are located too far from the stars they orbit

D) By stating that the chemical composition of the atmosphere of the hycean candidate Madhusudhan et al, identified suggests that this planet's surface is unlikely to harbor liquid water

7

Mexican architect Luis Barragán's prolific career, which spanned the 1920s to the 1980s evolved through distinct phases. After traveling to the United States and Europe in the early 1930s and immersing himself in a broader architectural discourse, Barragán began incorporating principles derived from fictionalism and modernism in his work, as seen in the Pizarro Suárez, House, whose unadorned geometric forms contrast with his earlier projects in Guadalajara, such as the house in Calle Pedro Loza, which evince the aesthetics of traditional Mediterranean and Mexican styles.

Information in the text best supports which statement about the design of the house in Calle Pedro Loza?

A) It represents a transitional moment between the early and late phases of Barragán's development.

B) It reflects an approach to ornamentation and shape that Barragán later stopped using.

C) It displays the effects of Barragán's exposure to international architectural trends in the 1930s.

D) It is characteristic of the Guadalajaran architecture that influenced Barragan throughout his career.
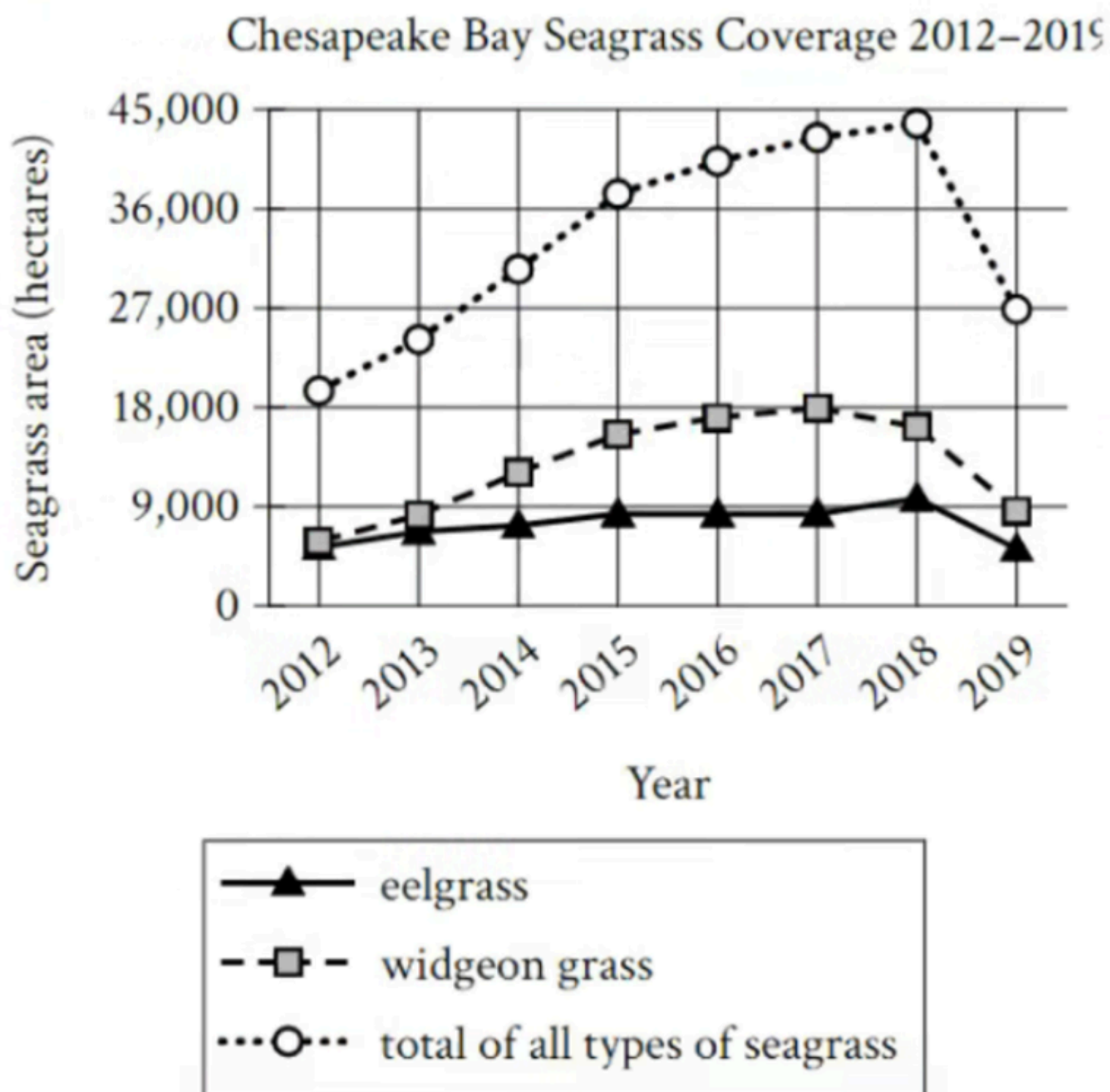
8

Norfolk, Virginia, has installed engineered structures along 56% of its shoreline to protect infrastructure from wave erosion and other hazards, a practice known as shoreline hardening. To evaluate the responses of waterbirds to two types of hardening structures --- riprap and bulkheads --- Diann Prosser et al. surveyed waterbird communities consisting of the osprey, the common tern, and 62 other species at different sites in the Chesapeake Bay on the US East Coast. Utilizing the Index of Waterbird Community Integrity (IWCI), on which a high score corresponds to high community integrity, the researchers found that bulkheads are more strongly negatively correlated with waterbird community integrity than is riprap.

Which finding, if true, would most directly illustrate the researchers' finding?

A) Waterbird communities at Curtis, a site with a high percentage of shoreline consisting of bulkheads and riprap, had lower average IWCI scores than did waterbird communities at Onancock, a site with a low percentage of shoreline consisting of bulkheads and riprap.

B) Waterbird communities at Old Road, a site with a relatively high percentage of shoreline consisting of bulkheads, had lower average IWCI scores than did waterbird communities at Miles, a site with a relatively high percentage of shoreline consisting of riprap.

C) Waterbird communities at Curtis, a site with equal percentages of shoreline consisting of bulkheads and riprap, had higher average IWCI scores than did waterbird communities at Miles, a site with different percentages of shoreline consisting of bulkheads and riprap

D) The difference in average IWCI scores for waterbird communities at Stony and Old Road, two sites with a higher percentage of shoreline consisting of bulkhead than of riprap, was statistically insignificant.

9

Chesapeake Bay Seagrass Coverage 2012–2019

Chesapeake Bay seagrass meadows constitute crucial habitats for many aquatic species. Historically, eelgrass has been predominant, but widgeon grass is proving better suited torecent increases in sea temperature, tolerating heat better and growing faster than eelgrass does. Although the increase in widgeon grass has been associated with a substantial increase in total seagrass coverage in the bay, researchers caution that the latter change does not necessarily make the seagrass ecosystem as a whole more resilient to environmental shocks.

Which statement, if true, would account for data shown in the graph and would illustrate the point made by the researchers?

A) In early 2019, unusually heavy rains washed excessive nutrients into the bay, leading to algal blooms that prevented sunlight from reaching many seagrass species.

B) In early 2018, a fungal infection that affects widgeon grass and eelgrass but does not affect other types of seagrass spread through the bay.

C) Between 2012 and 2017, the total area covered by widgeon grass and the total area covered by all types of seagrass increased as water temperatures in the bay increased.

D) Water temperatures in the bay increased slowly from 2012 to 2018. but in early 2019 there was an unprecedently large increase in temperatures, which reached levels that can be tolerated by few seagrass species other than widgeon grass.

Reported Annual Travel Distances in Four Studies of Migrating Animal Populations

Species	Continent	Distance (km)	Measurement method
Brown bear	North America	1,325	GPS
Tibetan antelope	Asia	700	RTD
Caribou	North America	4,868	GPS
Reindeer	Asia	1,200	RTD

Some studies of migrating animals measure how far the animals travel in a year by fitting individuals with GPs tracking collars. Other studies track annual round-trip distance (RTD) which is equal to double the distance separating the two habitats a population migrates between each year. A researcher argues that since GPs records all of an animal's movements, using the GPS method to track a population would result in significantly higher recorded travel distances than using the RTD method would. For example, it's very likely that the distance reported for the _____

Which choice most effectively uses data from the table to complete the example?

A) Tibetan antelope would be less than 700 kilometers if the GPS method had been used.

B) caribou would be less than 4,868 kilometers if the RTD method had been used.

C) caribou would be greater than 1,325 kilometers if the RTD method had been used.

D) Tibetan antelope would be greater than 4,868 kilometers if the GPS method had been used.

11

Piezoelectric harvesters convert kinetic energy (resonance) to electrical energy, precluding the need for external electrical sources. The vibration of a spacecraft, for example, can provide sufficient energy to power many of its sensors piezoelectrically. A newly designed piezoelectric harvester incorporating a highly conductive carbon-fiber-reinforced polymer (CFRP) electrode has been shown to provide steady energy loads during resonance, an absolute prerequisite for wireless communication devices to be powered piezoelectrically.

Which finding, if true, would most directly support the text's claim about wireless communication devices?

A) The near-constant kinetic vibration of a spacecraft makes it possible to power its wireless communication devices using only non-CFRP piezoelectric harvesters

B) Intermittent or unpredictable electrical supply undermines the efficacy of wireless communication devices.

C) The CFRP electrode is incompatible with most wireless communication devices

D) The high conductivity of the CFRP is what makes the energy output from a piezoelectric harvester sufficient for wireless communication devices

12

Consumers increasingly expect that goods they purchase online will be delivered rapidly, even as soon as the day of purchase. Although efficiencies in long-distance transport of parcels have greatly improved delivery times, last-mile logistics (the final step in deliver to consumers) present a bottleneck for delivery companies. Time pressure resulting from consumer expectations is not the only challenge: other obstacles, such as the

increasing congestion of roadways, persist. While innovations to mitigate these challenges have been emerging --- the use of aerial drones, for instance --- success has been constrained due to the additional complications that arise (e.g.. a lack of suitable drone landing sites in residential areas). Consequently, _____

Which choice most logically completes the text?

A) in the near term, delivery companies are unlikely to overcome the impediments associated with last-mile logistics

B) innovations in last-mile logistics seem poised to increase consumers' expectations for rapid delivery

C) delivery companies should invest more funds in proven long-distance transport technologies than in untested last-mile solutions

D) the use of aerial drones may enable delivery companies to meet consumers' expectations now but likely is not viable as a permanent solution.

13

Scientists looking for signs of ancient life in Asia have found many examples of fossilized hominins, including in a geological formation at the Minatogawa Limestone Quarry. However, to find even older specimens like early multicellular organisms from the Ediacaran period, scientists must look elsewhere, such as in the Ediacaran geological formation at Mistaken Point in North America. Because _____

Which choice most logically completes the text?

A) North America has sites with hominins but not sites with early multicellular organisms.

B) early multicellular organisms are found at more sites around the world than hominins

C) that formation is from an earlier time than the formation with the hominins

D) the hominins at Mistaken Point are better preserved than the hominins at the Minatogawa Limestone Quarry.

14

Microbial fuel cells (MFCs) capitalize on the ability of some species of bacteria to metabolize metal, liberating electrons. The bacteria form a dense biofilm on the surface of an electron-collecting anode, but moving the electrons from the bacterial cytoplasm to an external electrode requires that the electrons pass through a series of inefficient oxidation-reduction (redox) reactions. Accordingly, MFC power output rarely exceeds a density of 0.30 miliwatts per square centimeter (mW/cm2). In an experiment, researchers added silver nanoparticles to carbon paper covering the anode in an MFC. The resulting power density was 0.66 mW/cm2. Since metals such as silver exhibit high electrical conductivity, the researchers hypothesized that _____

Which choice most logically completes the text?

A) silver nanoparticles may increase the metabolic processes of the bacteria, thereby increasing the number of free electrons available to transfer to the electrode.

B) as the density of the biofilm increases, the series of redox reactions may accelerate independent of the presence of the silver nanoparticles

C) electrons may be conducted directly to the electrode before the silver nanoparticles catalyze the redox reactions.

D) silver nanoparticles may allow electrons to bypass the series of redox reactions and transfer directly to the electrode

15

The ratio of methane to other atmospheric constituents --- represented by a measure called the methane mole fraction --- influences a variety of meteorological phenomena, notably precipitation and humidity. For Titan, Saturn's largest moon, the observational data that exist are too sparse and discrepant to fully constrain the range of the methane mole fraction at various atmospheric levels. Juan Lora and colleagues point out that

outputs of the IPSL atmospheric model of Titan, which track closely to observations in some respects reflect how the model's developers responded to this challenge: by prescribing a uniform methane mole fraction for the lowest level of the atmosphere. It is therefore important to note that _____

Which choice most logically completes the text?

A) further observations of Titan may clarify the moon's methane mole fraction sufficiently for the model to employ a single value rather than a range.

B) some disagreements between the model's simulations of Titan's precipitation and humidity and the moon's actual precipitation and humidity are to be expected.

C) inconsistencies across the model's simulations of Titan's precipitation and humidity could be attributable to variations in the moon's methane mole fraction.

D) even though the model's outputs sometimes agree with observational data Titan's real methane mole fraction is likely higher than the methane mole fraction used in the model.

16

Cy Twombly, a Us painter and sculptor, created many large-scale abstract works, such as his 10-painting series Fifty Days at Iliam. In these works, Twombly's artistic style is exemplified by his use of graffti-like _____ often incorporate words or phrases from poetry and mythology.

Which choice completes the text so that it conforms to the conventions of standard English?

A) scribbles. That

B) scribbles: that

C) scribbles; that

D) scribbles that

17

Kizomba, a genre of dance that originated in Angola, has become an international _____ 2022, the Indian dance duo known as Elvis and Namrata defeated performers from around the world to win the annual Olympiads of Kizomba competition held in Paris, France, becoming the first ever Asian winners.

Which choice completes the text so that it conforms to the conventions of Standard English?

A) phenomenon in

B) phenomenon, in

C) phenomenon and in

D) phenomenon. In

18

The Austronesian language family comprises some 1,200 languages --- including the _____ Tetum and Fiian, which are spoken by 800,000 and 640,000 speakers, respectively --- and accounts for one-fifth of the world's languages, making it of keen interest to linguists like Diane Massam.

Which choice completes the text so that it conforms to the conventions of Standard English?

A) languages,

B) languages:

C) languages

D) languages---

19

Although 2060 Chiron and 2008 FC76 are both classified as centaur objects --- outer solar system bodies in unstable orbits --- they exhibit striking differences in _____ object 2060 Chiron is considered an active centaur, showing sporadic comet-like activity (such as clouds of dust and gas on its surface), 2008 FC76, showing no such activity, is considered dormant.

Which choice completes the text so that it conforms to the conventions of Standard English?

    A) behavior; the

    B) behavior. The

    C) behavior, while the

    D) behavior: while the

Mitochondrial genomes reproduce asexually, which should over time result in an accumulation of harmful mutations and a decline in mitochondrial functionality. However, nuclear genes are hypothesized to coevolve with the rate of mitochondrial decline, eliminating mutational erosion. Such a compensatory measure _____ the organelle's decline, unlike enzyme-stabilizing accessory proteins, offers an evolutionary explanation of mitochondrial reproduction.

Which choice completes the text so that it conforms to the conventions of standard English?

    A) had counteracted

    B) counteracted

    C) counteracts

    D) counteracting

In a US national election, one might expect major-party campaigns to focus on the most populous states. However, if polls and past voting data suggest that the outcome in a given state is a foregone conclusion, a campaign will not invest its resources there. Ultimately, a state's voting record and polling data, not its population size, _____ its importance to campaigns.

Which choice completes the text so that it conforms to the conventions of Standard English?

    A) determines

    B) has determined

    C) determining

    D) determine

To notice subtle variations in the progression of the still life painting genre in Europe, first consider Willem van Aelst's "Still Life with Dead Game" from 1661; _____ compare it to Jan van Huysum's "Still Life with Flowers" from 1723.

Which choice completes the text with the most logical transition?

    A) therefore,

    B) still,

    C) instead,

    D) next,

Soil polluted with iron (a heavy metal) is harmful to many plants and animals, but the plant species Limnocharis flava, or yellow velvetleaf, not only thrives in such conditions but also helps remediate them. As a metal hyperaccumulator, Limnocharis fava absorbs a large amount of iron and stores it safely in its roots and shoots; _____ iron concentrations in the soil decrease.

Which choice completes the text with the most logical transition?

A) specifically,

B) accordingly,

C) nevertheless,

D) in addition,

24

While researching a topic, a student has taken the following notes:

- The English word "dollar" comes from the German word "thaler."

- Today, more than twenty different national currencies are referred to as "dollars."

- Kiribati's currency is known as the Kiribati dollar.

The student wants to provide an example of a country that uses the word "dollar" in the name of its currency. Which choice most effectively uses relevant information from the notes to accomplish this goal?

A) kiribati uses the kiribati dollar as its national currency

B) Kiribati does not refer to its currency by the German word "thaler."

C) The German word "thaler" is the origin of the English word "dollar."

D) Today, many countries use the word "dollar" in naming their currencies

25

While researching a topic, a student has taken the following notes:

- Stylistic analysis and historical analysis are two approaches to art criticism.

- Stylistic analysis examines how an artwork's visual features contribute to its overall style.

- Such an analysis of Claude Monet's Water Lilies might consider how the painting's loose brushwork represents an impressionist style.

- Historical analysis considers the historical context in which a work was created.

- Such an analysis of Diego Velázquez's Las Meninas might consider how the painting's depiction of the artist with King Philip IV symbolizes art's historical ties to power.

The student wants to present historical analysis to an audience unfamiliar with the concept. Which choice most effectively uses relevant information from the notes to accomplish this goal?

A) An approach to art criticism, historical analysis considers the historical context in which a work was created.

B) Las Meninas's depiction of the artist with King Philip IV symbolizes art's historical ties to power

C) stylistic analysis of Water Lilies might consider how the painting's loose brushwork represents an impressionist style.

D) Stylistic analysis differs from historical analysis in that stylistic analysis examine show an artwork's visual features contribute to its overall style.

26

While researching a topic, a student has taken the following notes:

- Carbon can exist in several distinct structural forms called allotropes.

- Graphite is a carbon allotrope.

- Graphite is composed of stacked graphene sheets.

- Each graphene sheet is composed of carbon atoms arranged in a flat honeycomb pattern.

- Carbon nanotubes are carbon allotropes.

- They are composed of one or more graphene sheets wrapped into a cylindrical shape.

The student wants to emphasize a difference between carbon nanotubes and graphite. Which choice most effectively uses relevant information from the notes to accomplish this goal?

A) Composed of sheets wrapped into a cylindrical shape, carbon nanotubes contrast with graphite, a carbon allotrope composed of graphene sheets.

B) Graphite and carbon nanotubes are allotropes composed of stacked or wrapped graphene sheets, but carbon can exist in several distinct structural forms

C) Unlike carbon nanotubes, which are composed of sheets of carbon atoms arranged in a flat honeycomb pattern, graphite is a cylindrical carbon allotrope.

D) The graphene sheets in graphite are stacked, whereas in carbon nanotubes, they form a cylinder.

27

While researching a topic, a student has taken the following notes:

- Modularity of mind is the notion that the mind is at least partly composed of innate neural structures (modules) that perform fast, necessary tasks.

- 1983: cognitive scientist Jerry A. Fodor hypothesized that low-level cognitive systems (e.g., perception, language) are modular.

- In Fodorian modularity, high-level systems (e.g., reasoning) are not modular

- 2003: cognitive scientist Peter Carruthers proposed the massive modularity hypothesis (MMH)

- MMH expands modularity to include all cognitive systems

The student wants to compare Fodor's hypothesis with Carruthers's, Which choice most effectively uses relevant information from the notes to accomplish this goal?

A) In 2003, Carruthers proposed the massive modularity hypothesis, disagreeing with Fodor's earlier hypothesis that the mind is composed of innate neural structures.

B) In considering some but not all cognitive systems modular, Fodorian modularity is not as expansive in its definition of modularity as MMH is.

C) The hypotheses of Fodor and Carruthers differ in whether they consider low-level cognitive systems, such as perception and language, modular.

D) Following Fodor's 1983 hypothesis, Carruthers proposed that modularity of mind includes all cognitive systems.
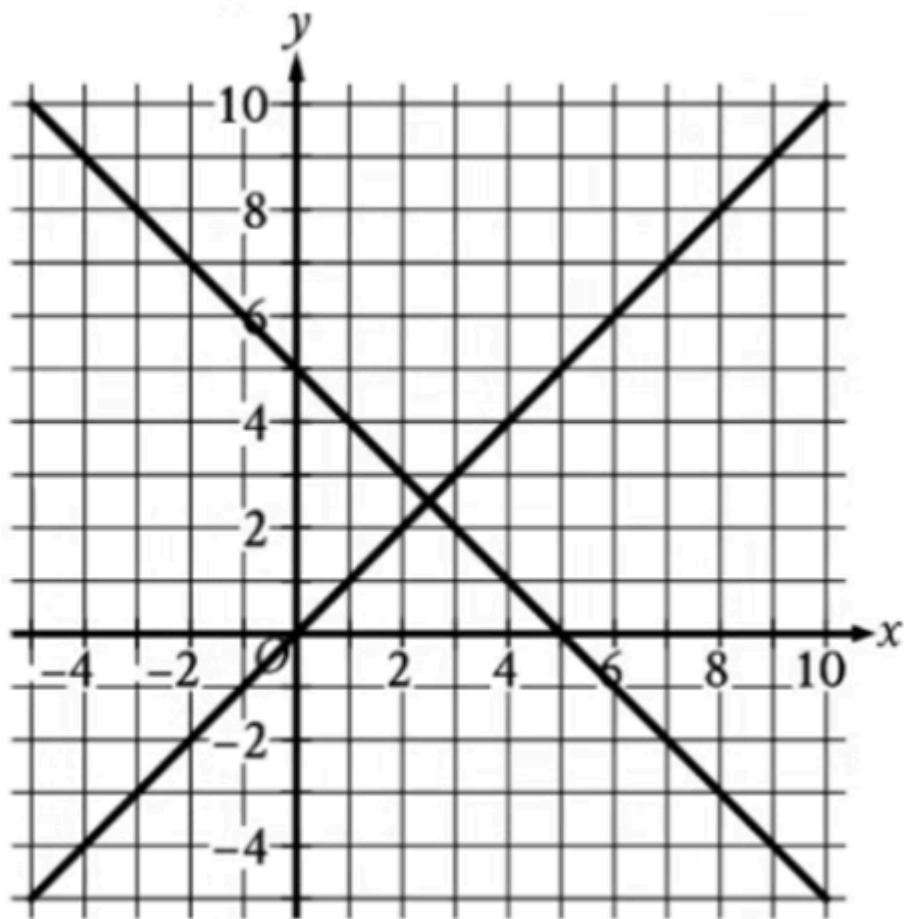
Math Module 1

22 QUESTIONS

1

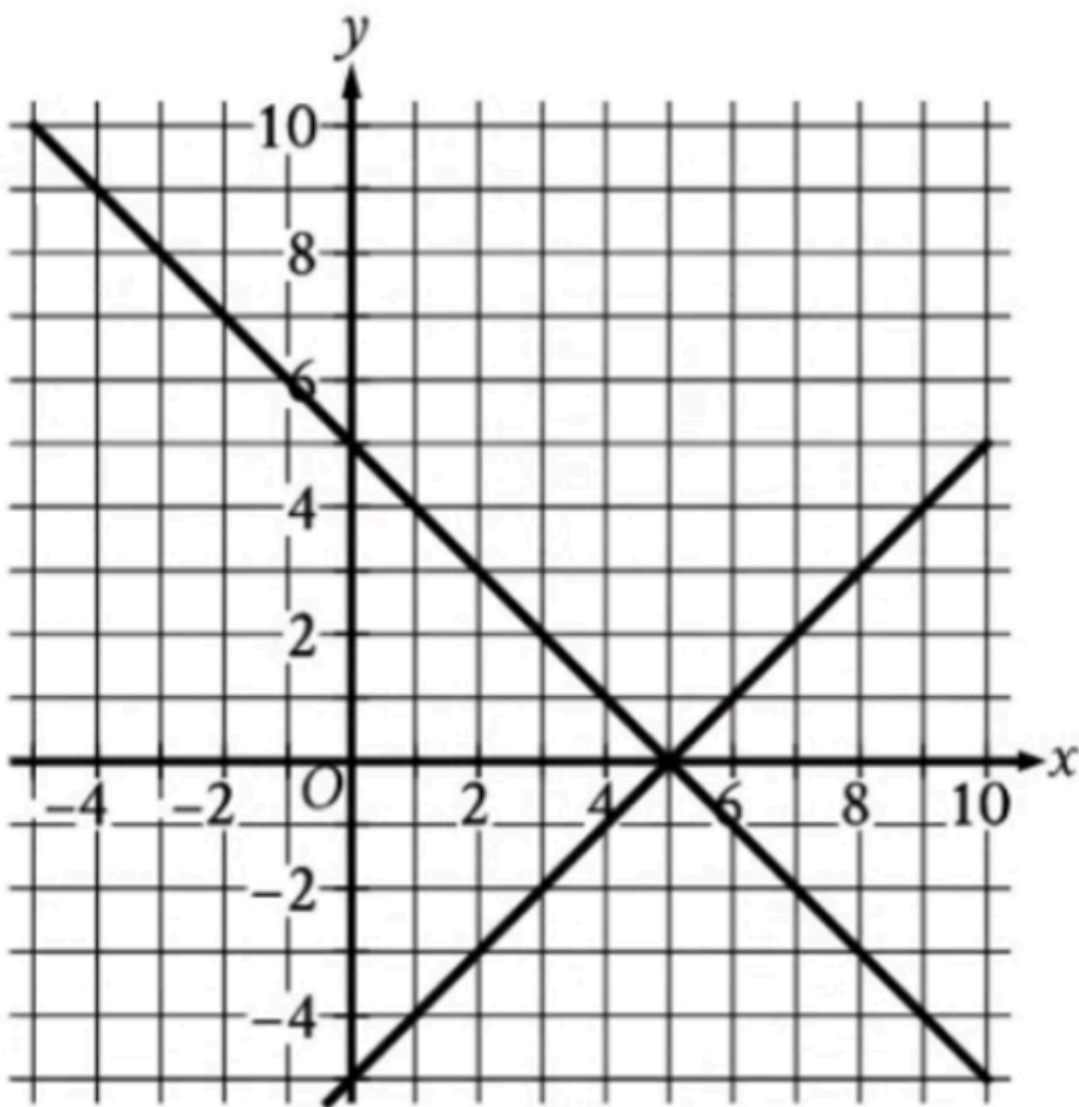A jar has 310 buttons, and 20% of these buttons are green. How many buttons in the jar are green?

[ ]

The solution to a system of linear equations is (5, 5). Which of the following could be the graph of the equations in the system?
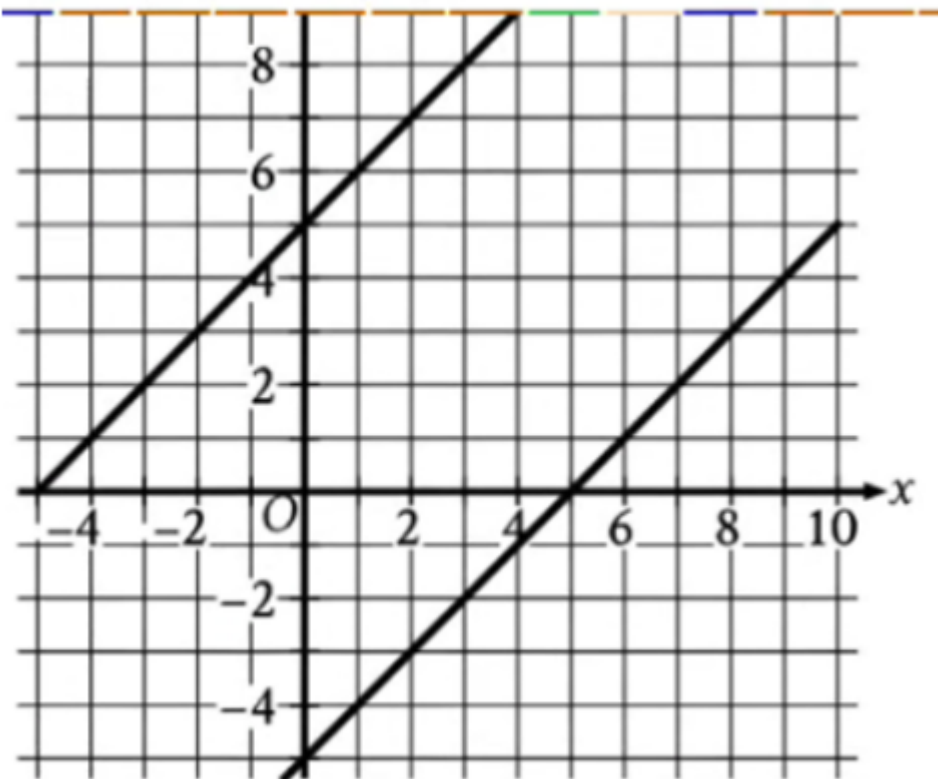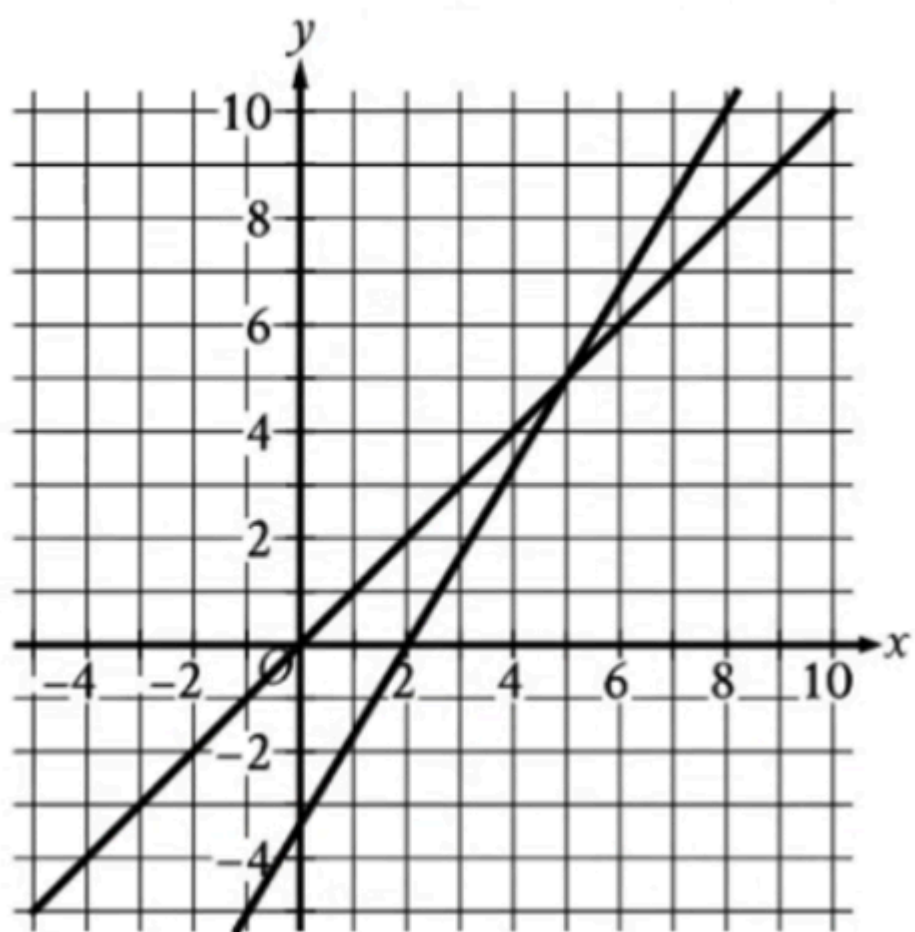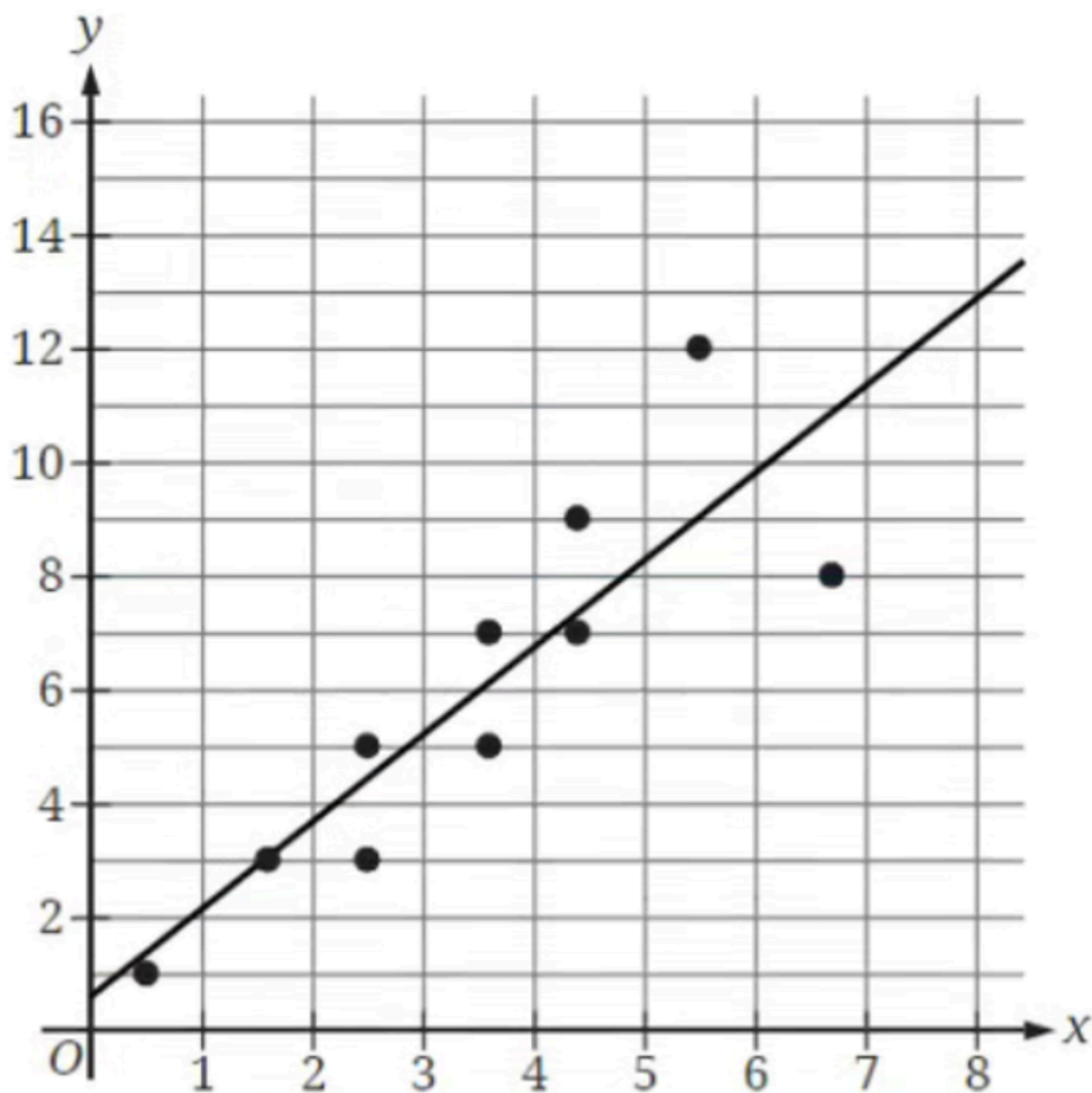
A)

B)

C)

D)

3

The scatterplot shows the relationship between two variables, x and y. A line of best fit is also shown. Which of the following equations best represents the line of best fit shown?

A) y = 0.6 + 1.5x

B) y = 0.6 - 1.5x

C) y = - 0.6 + 1.5x

D) y = - 0.6 - 1.5x

4

y = - 0.5

y = x^2 + 8x + a

In the given system of equations, a is a positive integer constant. The system has no real solutions. What is the least possible value of a?

[   ]

5

The width of a rectangle is 8 centimeters. The length of the rectangle is 50 centimeters longer than the width. What is the area, in square centimeters, of this rectangle?

A) 8

B) 16

C) 66

D) 464

6

6x +27 = 6x +k

In the given equation, k is a constant. The equation has infinitely many solutions. What is the value of k?

[   ]

7

Time (seconds)

The graph shows the height above ground, in meters, of a ball x seconds after the ball was launched upward from a platform. Which statement is the best interpretation of the marked point (1.0, 3.9) in this context?

A) 1.0 second after being launched, the ball's height above ground is 3.9 meters

B) 3.9 seconds after being launched, the ball's height above ground is 1.0 meter

C) The ball was launched from an initial height of 1.0 meter with an initial velocity of 3.9 meters per second.

D) The ball was launched from an initial height of 3.9 meters with an initial velocity of 1.0 meter per second.

8

The function f is defined by $f(x) = 3x - 1/4$. What is the y-intercept of the graph of $y = f(x)$ in the xy-plane?

A) (0, -1/4)

B) (0, -3)

C) (0, 3)

D) (0, 4)

9

Which of the following lists represents a data set with the smallest standard deviation?

A) 72,73, 75, 77, 78

B) 73,73, 75, 77,77

C) 73, 74, 75, 76, 77

D) 74,75, 75, 75, 76

10

The expression $7x^6 + 9x^6 - 8x^6$ is equivalent to bx^6, where b is a constant.
What is the value of b?

[   ]

11

Which expression is equivalent to $(158y)^{1/2}$, where y>1?

A) $158 \cdot \sqrt{y}$

B) $\sqrt{158}\ y$

C) $\sqrt{158y}$

D) $\sqrt{(158y)^2}$

12

At a convention center, there are a total of 275 visitors. Each visitor is located in either room A, room B, or room C. If one of these visitors is selected at random, the probability of selecting a visitor who is located in room A is 0.68, and the probability of selecting a visitor who is located in room B is 0.24. How many visitors are located in room C?

A) 8

B) 22

C) 45

D) 121

13

Line t is defined by y= -(1/4)x + 15. Line s is perpendicular to line t in the xy-plane. What is the slope of line s?

A) 15

B) 4

C) 1/4

D) 1/15

14

$f(x) = -10\ (2)^{x/3}$
Which table gives four values of x and their corresponding values of f(x) for the given exponential function?

A)

x	-3	0	3	6
$f(x)$	-5	0	-20	-40

B)

x	-3	0	3	6
$f(x)$	-5	-10	-20	-40

C)

x	-3	0	3	6
$f(x)$	5	-10	-20	-40

D)

x	-3	0	3	6
$f(x)$	-5	-10	-20	-30

15

In right triangle RST, the sum of the measures of angle R and angle S is 90 degrees.
The value of sin(R) is $3\sqrt{17}$ /13. what is the value of cos(S)?

A) $4\sqrt{17}$ /51

B) $3\sqrt{17}$ /13

C) $13\sqrt{17}$ /51

D) $3\sqrt{17}$ /4

16

The function m is defined by m(x) = 5x + 3, and the function p is defined by p(x)= 3-x .What is the value of 2m(3)-p(3)?

17

A school is ordering tablet computers for its students. The tablets cost $170 each, and 7% tax is added to the total cost of the order. If the school can spend no more than 53,400 dollars on the tablets, including tax, what is the maximum number of tablets that the school can order?

[   ]

The difference between the measure of angle A and the measure of angle B is –(5/12)π radians. Which expression shows the difference between the measure of angle A and the measure of angle B, in degrees?

A) - (5/12) (180 $^\circ$/π)

B) - (5/12)π (π/180 $^\circ$)

C) - (5/12)π(180 $^\circ$/π)

D) - (5/12)π(360 $^\circ$/π)

A researcher observes a sample of a nuclide. An exponential model estimates that the mass in grams, of the sample decreases by 24% every 22.96 minutes. Which of the following equations could represent this model, where M is the estimated mass, in grams, of the sample t minutes after the researcher began observing the sample?

A) $M = 100 \ (0.24)^{t+22.96}$

B) $M = 100 \ (0.24)^{t/22.96}$

C) $M = 100 \ (0.76)^{t+22.96}$

D) $M = 100 \ (0.76)^{t/22.96}$

$x^2 - 30x - 10 = 0$

What is the sum of the solutions to the given equation?

A) 0

B) 5

C) 10

D) 30

In triangle RST, the measure of angle R is 39°, the measure of angle S is x°, and the measure of angle T is (5x - 3) $^\circ$. Point L lies on RS, point K lies on ST, and LK is parallel to RT. What is the measure, in degrees, of angle SKL? (Disregard the degree symbol when entering your answer)

[   ]

The function f is a quadratic function. In the xy-plane, the graph of y = f(x) has a vertex at (1,7) and passes through the points (2, 53) and (-1, 191). What is the value of f(-2)- f(0)?

A) 145

B) 237

C) 368

D) 421

Math Module 2

22 QUESTIONS

1

In one week in 2017, a technician earned a total of $716 by working at her regular job and at a second job doing part-time work. The equation 20h + 14c = 716 represents this situation, where h is the number of hours worked at her regular job and c is the number of hours worked at her second job. Which of the following is the best interpretation of 20 in this context?

A) The amount, in dollars, the technician earned for each hour she worked at her regular job

B) The amount, in dollars, the technician earned for each hour she worked at her second job

C) The number of hours the technician worked in one week at her regular job

D) The number of hours the technician worked in one week at her second job

2

A marine biologist uses a linear model to estimate the weight of a blue whale after it is born. The model estimates that a certain blue whale weighs 5,710 pounds at birth and gains 10.0 pounds per hour, for 120 hours, after it is born. Based on this model, what is the estimated weight, in pounds, of this blue whale 7 hours after it is born?
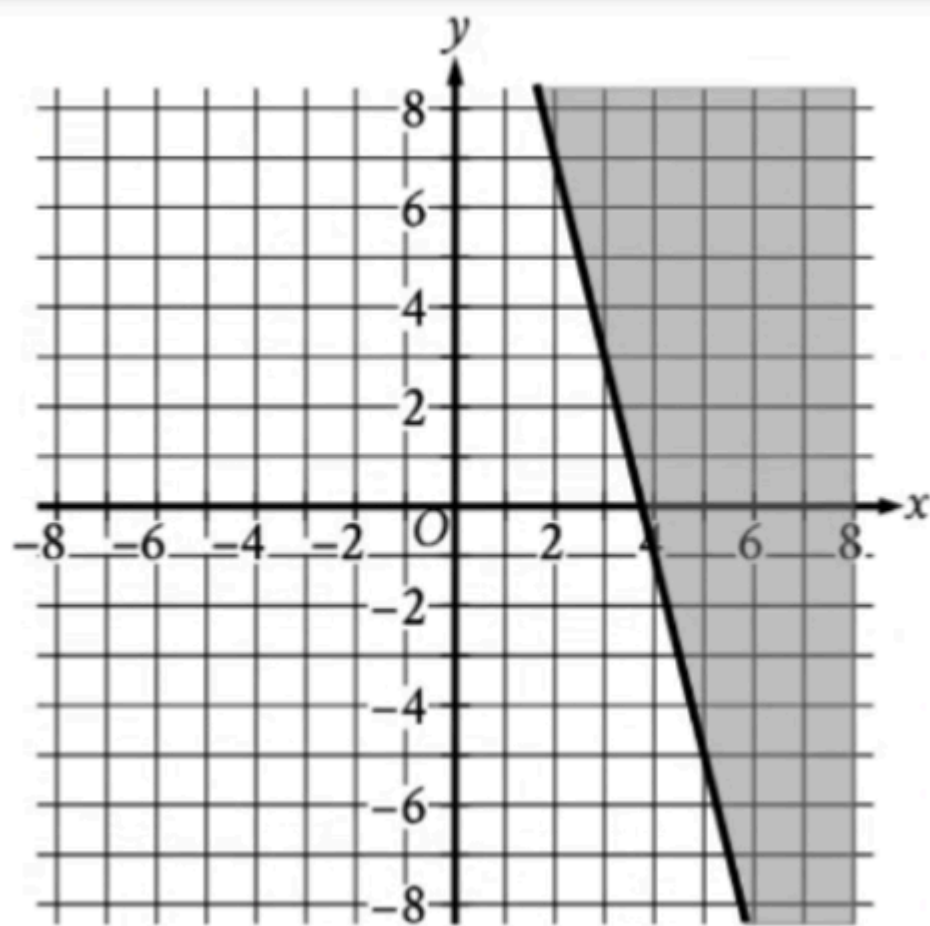
3

9 - 34r = s

The given equation relates the positive numbers q, r, and s. Which equation correctly expresses q in terms of r and s?

A) q = s - 34r

B) q = s + 34r

C) q = 34rs

D) q = - (s/34r)

4

The shaded region shown represents solutions to an inequality. Which ordered pair (x, y) is a solution to this inequality?

A) (-5,0)

B) (0,5)

C) (0,-5)

D) (5,0)

5

A rectangle has a length that is 49 times its width. The function y = (49w)(w) represents this situation, where y is the area, in square feet, of the rectangle and y > 0. Which of the following is the best interpretation of 49w in this context?

A) The length of the rectangle, in feet

B) The area of the rectangle, in square feet

C) The difference between the length and the width of the rectangle, in feet

D) The width of the rectangle, in feet

6

If 5(x+4) = 4(x+4) + 39, what is the value of x +4?

A) -4

B) 35

C) 39

D) 43

7

x + 10 = - 9y + 5

x − 10 = 9y + 7

The solution to the given system of equations is (x, y). What is the value of 2x?

A) − 11/9

B) 6

C) 12

D) 24

In 8 days, a polar bear ate 34.4 pounds of fat. Which equation describes the amount of fat y, in pounds, the polar bear ate in these 8 days?

A) y = 8

B) y = 34.4/8

C) y = 34.4

D) y = 34.4 +8

To study fluctuations in leaf water potential, samples of wood were taken from 25 trees and cut in the shape of a cube. The length of the edge of one of these cubes is 3.000 centimeters. This cube has a density of 0.220 grams per cubic centimeter. What is the mass of this cube, in grams?

[   ]

-4 | 5x+6 | + 4 = - 20

What are all solutions to the given equation?

A) 0

B) 0 and –(2/5)

C) 0 and –(12/5)

D) There is no solution.

For the linear function p, p(c)=-2, where c is a constant, p(4)= 38, and the slope of the graph of y= p(x) in the xy-plane is 8. For the linear function t, t(c)= -3 and t(5)= 51.What is the slope of the graph of y= t(x) in the xy-plane?
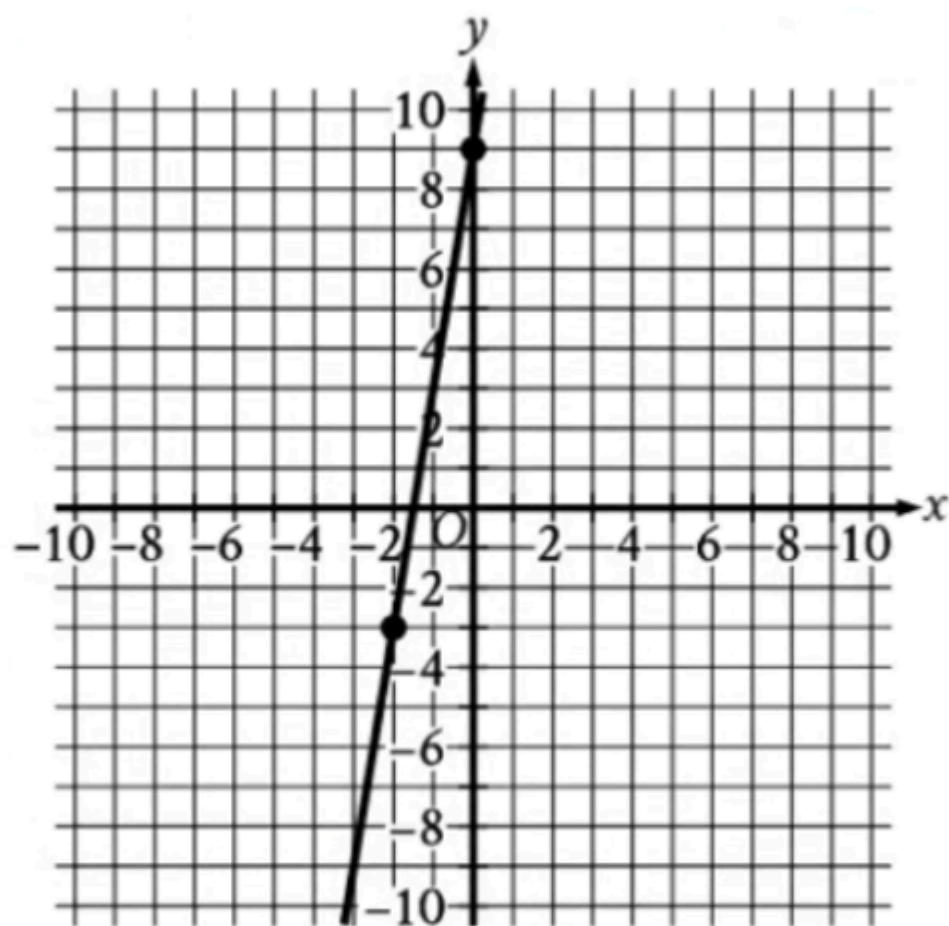
A) -1

B) 6

C) 8

D) 9
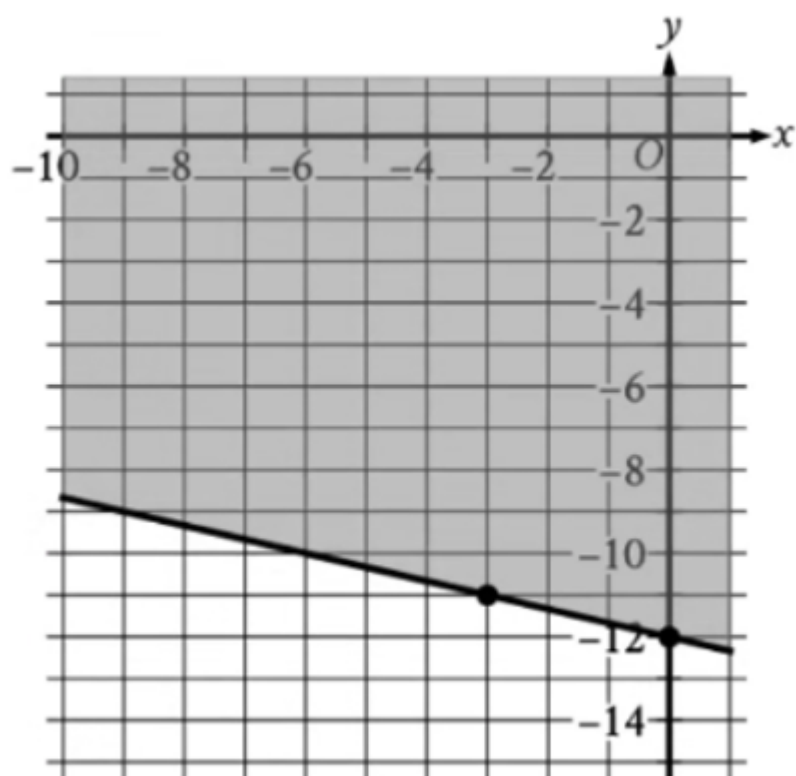
The graph shows a linear relationship between x and y. Which equation represents this relationship, where R is a positive constant?

    A) Rx + 12y = 18

    B) Rx - 12y = - 18

    C) 12x + Ry = 18

    D) 12x – Ry = - 18

13

The shaded region shown represents the solutions to rx + ty ≥ -36, where r and t are constants. What is the value of r +t?
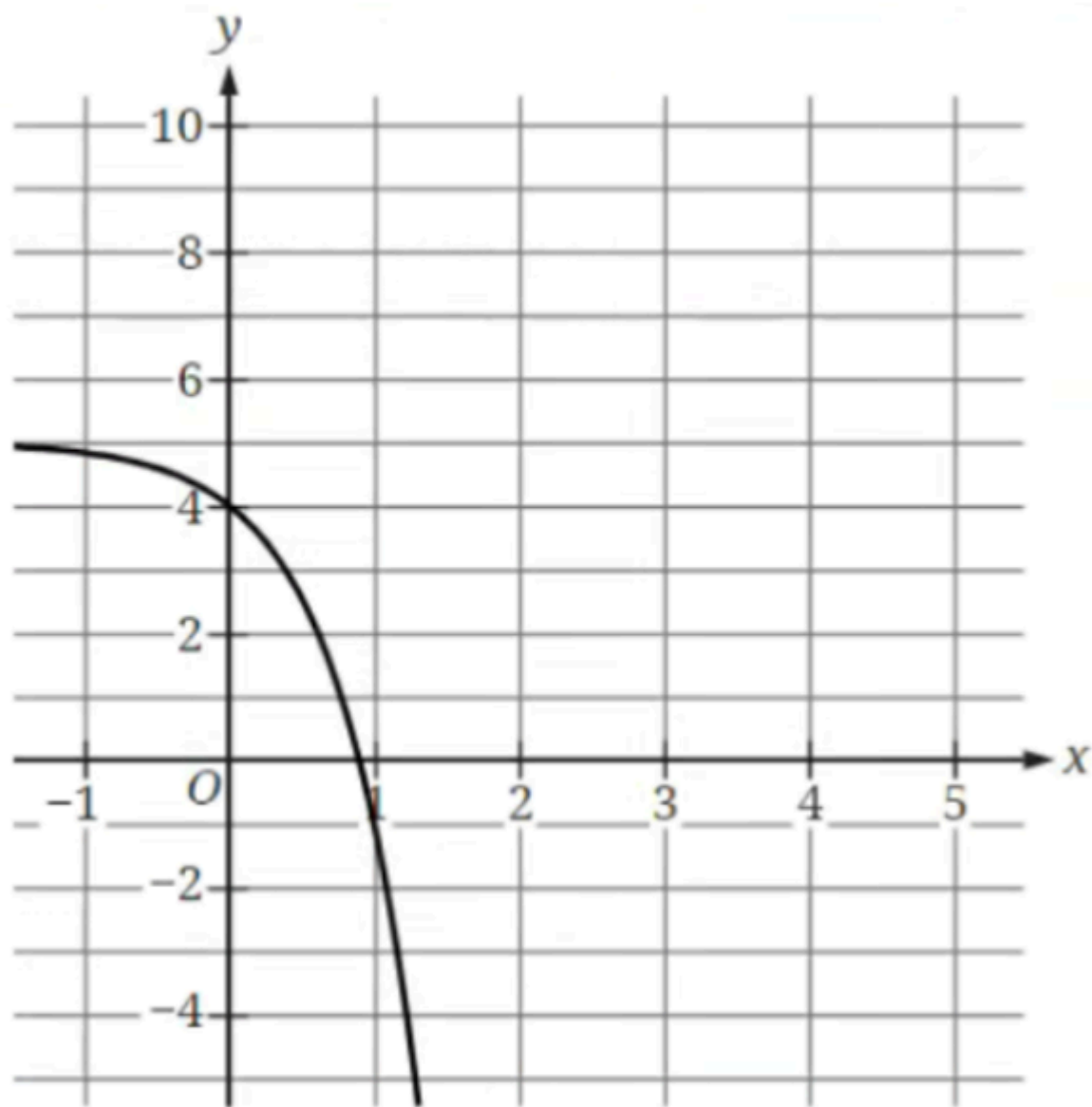
    A) 4

    B) 2

    C) -2

    D) -3

14

The edge length, in inches, of cube Y is 3/86 the edge length, in inches, of cube x. The surface area, in square inches, of cube Y is n times the surface area, in square inches, of cube X. What is the value of n?

A) 9 / 7396

B) 27 / 3608

C) 3/86

D) 9/43

The graph of y= f(x)+ 2 is shown. Which equation defines function f?

A) $f(x) = -\ 6^x + 1$

B) $f(x) = -\ 6^x + 3$

C) $f(x) = -\ 6^x + 4$

D) $f(x) = -\ 6^x + 5$

Which expression is equivalent to 15(x + 10)?

A) 15x+10

B) 15x+150

C) 15x+25

D) 15x+5

A square map has a side length of 35 inches, and 1 inch on the map represents an actual distance of 13 miles. A smaller version of the same map is printed as a square with the side length 70% shorter than the side length of the previous map. On the smaller map, which of the following is closest to the actual distance, in miles, represented by 1 inch?

A) 3.9

B) 7.65

C) 24.5

D) 43.33

18

$y = x - c$

$y = -6(x - 12)^2$

In the given system of equations, c is a constant. The system has two distinct real solutions. Which of the following could be the value of c?

A) 7

B) 11

C) 287/24

D) 17

19

In triangle ABC, the measure of angle A is 58° and AC= 30. In triangle POR, the measure of angle P is 58 ° and PR= 120. Which additional piece of information is sufficient to prove that triangle ABC is similar to triangle PQR?

A) AB=35 and PQ = 35.

B) AB=35 and QR= 140.

C) The measures of angle B and angle R are 34° and 88°, respectively

D) The measures of angle B and angle Q are 58 ° and 34 °, respectively.

20

The perimeter of an equilateral triangle is 876 centimeters. The three vertices of the triangle lie on a circle. The radius of the circle is $w\sqrt{3}$ centimeters. What is the value of w?

21

The function f is defined by f(x)= |x| /a - 16, where a < 0. what is the product of f(17a) and f(8a)?

22

The function f is defined by $f(x)= ab^{x/n}$, where a, b, and n are constants, and b and n are integers. If f (5) =7 and f (8) = 189, what is the value of f (10)?

Reading and Writing Module 1 Answers

1. D
2. B
3. A
4. A
5. C
6. C
7. D
8. D
9. B
10. A
11. C
12. A
13. A
14. C
15. A
16. B
17. D
18. D
19. A
20. D
21. D
22. D
23. D
24. B
25. C
26. B
27. D

Reading and Writing Module 2 Answers

1. A
2. D
3. B
4. C
5. A
6. D
7. B
8. B
9. A
10. B
11. D
12. A
13. C
14. D
15. B

16. D
17. D
18. C
19. D
20. D
21. D
22. D
23. B
24. A
25. A
26. D
27. B

Math Module 1 Answers

1. 62
2. D
3. A
4. 16
5. D
6. 27
7. A
8. A
9. D
10. 8
11. C
12. B
13. B
14. B
15. B
16. 36
17. 293
18. C
19. D
20. D
21. 117
22. C

Math Module 2 Answers

1. A
2. 5780
3. B
4. D
5. A
6. C
7. C

8. C
9. 5.94
10. C
11. D
12. D
13. A
14. A
15. B
16. B
17. D
18. D
19. C
20. 292/3
21. 792
22. 1701