SAT SEPTEMBER BANK

Section 1, Module 1: Reading and Writing

The mihrab (or niche) is one of many features that are foundational to traditional mosque architecture and is therefore considered ______ blank aspect of mosque design. Even mosques that exhibit elements of multiple architectural styles, such as the Kocatepe Mosque, which incorporates elements from the Neoclassical Ottoman and modern styles, will also include several of these standard features. Which choice completes the text with the most logical and precise word or phrase? A) an unprecedented B) an embellished C) an imposing

The following text is adapted from Willa Cather's 1912 novel Alexander's Bridge. For the next few days Alexander was very busy. He took a desk in the office of a [Scottish] engineering firm on Henrietta Street, and was at work almost <u>constantly</u>. He avoided the clubs and usually dined alone at his hotel. As used in the text, what does the word "constantly" most nearly mean? Imperceptibly A) Fearfully B) Continuously **C**) Hastily D) **Question 3** Siemowit is said to have ruled what eventually became Poland in the 9th century. Unlike that of Bezprym or other well-attested figures from early Polish history, Siemowit's existence has been the subject of debate, as our knowledge of him is _____ blank somewhat dubious oral traditions first written down hundreds of years after the events they describe. Which choice completes the text with the most logical and precise word or phrase? unsupported by **A)** independent of B) derived from **C**)

reminiscent of



Parapuzosia seppenradensis, known to have lived in what is now Mexico, and Parapuzosia leptophylla, known to have lived in what is now England, were both ammonites, but *P. seppenradensis* was much larger than *P. leptophylla*. Recent research by Christina Ifrim, Nils Schorndorf, and colleagues has suggested that this _____ blank resulted from the unique predator threat faced by each species.

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

A)	disparity	
B)	enmity	
(C) (C)	anomaly	
(D)	ambiguity	

Question 5

In their study of fossils of the extinct arthropod *Mollisonia symmetrica*, Javier Ortega-Hernández, Sarah Losso, and team reported some obvious indications of *M. symmetrica*'s nervous system—for example, the animal's primary nerve cord. They also saw signs of what might be a synganglion, a brain-like mass of nerve tissue, in the animal's head. This evidence is exciting because it could help us better understand how *M. symmetrica* is related to other arthropods, such as cave crickets and krill.

Which choice best describes the function of the underlined portion in the text as a whole?

A) It indicates that the team's claims about the *M. symmetrica* fossils are incorrect.

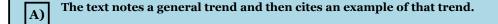
B) It gives the definition of the term "synganglion" used earlier in the text.

(C) It explains why the team's finding of a possible synganglion is exciting.

It states that krill are arthropods but cave crickets are not.

High-speed rail systems, in which trains can move at great speeds, are expanding in many countries because high-speed rail can reduce the number of automobiles on the road and ultimately conserve energy. In Morocco, for instance, 186 kilometers of high-speed rail lines are in operation as of 2023, and 1,287 kilometers are under construction.

Which choice best describes the overall structure of the text?



- **B)** The text summarizes an argument and then offers a challenge to that argument.
- **C)** The text questions a course of action and then suggests alternatives to that action.
- **D)** The text rejects a long-held belief and then proposes a different interpretation.

Question 7

A microgenre is a specialized genre consisting of a comparatively small number of stylistically similar artists. The microgenre of electronic music known as hyperpop emerged in the 2010s, with American musician Laura Les as an early exponent. Her combination of dense synthesizer arrangements and metallic percussion with vocals electronically shifted in pitch above her natural range exemplifies the hyperpop sound. More recently, British recording artist Charli XCX has contributed to that sound by incorporating pop melodies into it.

Which choice best describes the function of the underlined sentence?

- A) It asserts that the hyperpop sound hasn't changed, even though new artists have adopted it.
- **B)** It criticizes a later hyperpop artist for being too similar to an earlier hyperpop artist.
- **C)** It praises a particular hyperpop artist for consistently evolving through the years.
- D) It identifies an artist who has contributed a new stylistic element to the hyperpop sound.

Women like Minnie McNeal Kenny made important early contributions to the history of US cryptology, a field concerned with secure data communication and storage. Kenny worked for the National Security Agency (NSA) and received the NSA's two highest awards. She also held istrative positions at the National Cryptologic School. In this way, Kenny and others like her helped make it possible for more women—such as Anna Lysyanskaya, who currently works in and teaches digital cryptography—to enter the field of cryptology

Which choice best states the main idea of the text?



- **B)** Cryptology is a field that focuses primarily on securely managing data.
- (C) Minnie McNeal Kenny and Anna Lysyanskaya worked together on an important project in the field of cryptology.
- **D)** Cryptology should be taught more often in schools to encourage more women to enter the field.

Question 9

Tokyo has high pedestrian traffic, but other cities cannot increase their pedestrian traffic simply by replicating a single feature of Tokyo—e.g., its <u>high population density</u>—that is associated with walkability. As urbanist Mariela Alfonzo argues, many factors influence people's decision–making about whether to walk: some studies have shown the importance of personal preference, others have shown the importance of perceived safety, and so on, and it is clear that none of these factors in isolation fully explains pedestrian habits in a given city.

Based on the text, the author would most likely agree with which statement about Tokyo's "high population density"?

- A) It may increase walkability in Tokyo but is known to reduce walkability in other cities.
- B) It should be understood as just one of several factors that influence pedestrian activity in Tokyo.
- **C)** It affects walking decisions in Tokyo less than personal preference and perceived safety do.
- It is better understood as an effect of the high level of pedestrian traffic in Tokyo than as a cause of that pedestrian traffic.

Meredith E. Protas 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, Cynthia C. Steiner 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 II and Cassandra G. Extavour to evaluate both types of convergence in a single study for their 2012 paper.

According to the text, what did Protas and colleagues focus on in their study?

A)	Convergent	traits aris	ing from	different	genetic	mechanism	S
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- B) Convergent traits arising from a shared genetic mechanism
- **C)** The convergence of traits in lineages that are not reproductively separate
- **D)** The relative prevalence of convergent traits emerging through shared and different genetic mechanisms

Examples of Hoards found in Ireland and Northern Ireland

Hoard name Date of contents Year of discovery Description

Broighter Hoard 1st century BCE 1896 gold pieces **Balline Hoard** 4th century CE 1940 silver pieces

Dooyork Hoard 3rd century BCE-2nd century CE 2001 gold, bronze, and beads

Deposits of valuable objects, or hoards, have been unearthed in many different parts of Ireland and Northern Ireland. Some of these hoards were discovered before 2000; for example, _____ blank

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

A) the Balline Hoard and the Dooyork Hoard were both discovered in the 2000s.

B) the Broighter Hoard was one of several hoards discovered in the 1800s.

D)

D)

c) the Dooyork Hoard was discovered in 1940, and the Balline Hoard was discovered in 2001.

the Broighter Hoard was discovered in 1896, and the Balline Hoard was discovered in 1940.

Question 12

The Wonderful Wizard of Oz is a 1900 novel by L. Frank Baum. In the novel, Dorothy lives in Kansas with her aunt and uncle, but she later finds herself in a land called Oz. The narrator indicates that her aunt and uncle's house in Kansas is remote and solitary, writing that _____ blank

Which quotation from The Wonderful Wizard of Oz most effectively illustrates the claim?

in Kansas, "When Dorothy stood in the doorway and looked around, she could see nothing but the great gray prairie on every side. Not a tree nor a house broke the broad sweep of flat country."

in Kansas, "Once the house had been painted, but the sun blistered the paint and the rains washed it away, and now the house was as dull and gray as everything else."

c) in Oz, "Dorothy fell asleep only once, and then she dreamed she was in Kansas, where Aunt Em was telling her how glad she was to have her little girl at home again."

in Oz, "[Dorothy and her companions] walked along listening to the singing of the brightly colored birds and looking at the lovely flowers which now became so thick that the ground was carpeted with them."

Nautilids are marine mollusks that begin growing their shells before emerging from their eggs and continue to add shell segments throughout their lifetimes. The walls between their shells' chambers are called septa, and the concentration of the isotope oxygen-18 they contain exactly reflects the isotope's concentration in the water at the depth at which the septa formed. Paleontologist Amane Tajika and colleagues examined each of the septa in two nautilid shells; finding that sample F13 had a higher concentration of the isotope than sample M03 did, the researchers concluded that F13 must have formed at a significantly lower temperature than M03 did.

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

B) As water depth increases, both the concentration of oxygen-18 and the water temperature decrease.

C) As water depth increases, the concentration of oxygen-18 increases and water temperature decreases.

As water temperature increases, nautilids are able to concentrate more oxygen-18 into their shells.

Studies have demonstrated that positive feedback enhances real-world exercise performance and exercisers' psychological experience of physical activity. Nicole Trewick and team tested their prediction that positive feedback would produce analogous results among participants cycling on a stationary bike in a virtual reality environment. After monitoring participants' pedaling rate and heart rate to determine the effects on their physical endurance (e.g., their ability to sustain a certain target pedaling and heart rate) of feedback (positive, negative, or neutral) delivered at regular intervals, the researchers used participants' questionnaire responses to assess their psychological experience of the task.

Assuming participants had similar baseline fitness levels, which finding from the study, if true, would most strongly suggest that positive feedback had the predicted psychological effect but not the predicted physical effect?

- **A)**
- Compared with participants who received negative or neutral feedback, participants who received positive feedback reported greater enjoyment of the activity on average but maintained their heart and pedaling rates for approximately similar durations.
- Compared with participants who received positive or neutral feedback, participants who received negative feedback reported lower enjoyment of the activity on average but maintained their heart and pedaling rates for longer durations.
- Compared with participants who received negative feedback, participants who received neutral feedback reported similar levels of enjoyment of the activity on average but maintained their heart and pedaling rates for shorter durations than participants who received positive feedback.
- Compared with participants who received positive feedback, participants who received neutral feedback reported lower enjoyment of the activity on average but maintained their heart and pedaling rates for longer durations than participants who received negative feedback.

Blue holes—large marine sinkholes, like Watling's Blue Hole near San Salvador Island—can be hundreds of meters deep and are sometimes part of widespread subterranean networks of passageways. In 2021, researchers conducted the first formal study of the Taam Ja' Blue Hole (TJBH), located in a bay of fresh water and salt water on Mexico's coast, and reported a maximum depth of 274 meters. Oscar F. Reyes–Mendoza and colleagues later reinvestigated the depth of the TJBH, determining that it exceeded 400 meters; additionally, they detected variations in characteristics across water layers. Layers more than 400 meters deep began to show density and salinity conditions akin to those of the nearby Caribbean Sea. Reyes–Mendoza and colleagues therefore suggest that ______ blank

Which choice most logically completes the text?

	there may be tunnels and caves that connect the TJBH and the waters of the Caribbean deep underground.
A)	underground.

- in the TJBH, there are greater differences between water layers less than 275 meters deep than there are between water layers greater than 400 meters deep.
- researchers should reevaluate existing measurements of the depths of Watling's Blue Hole and other blue holes where the conditions in very deep waters are similar to those of waters in open seas.
- the apparent relationship between depth and salinity level in the TJBH is the inverse of that found in the Caribbean Sea.

Question 16

When attempting to determine a fault's seismic history, geophysicists like Dr. Estella Atekwana at the University of Delaware rely in part on data about the fault's physical dimensions and geological features. For example, data from the US Geological Survey show the _____ blank and most recent deformation (less than 130 thousand years ago) of the Kawich Range fault in Nye County, Nevada.

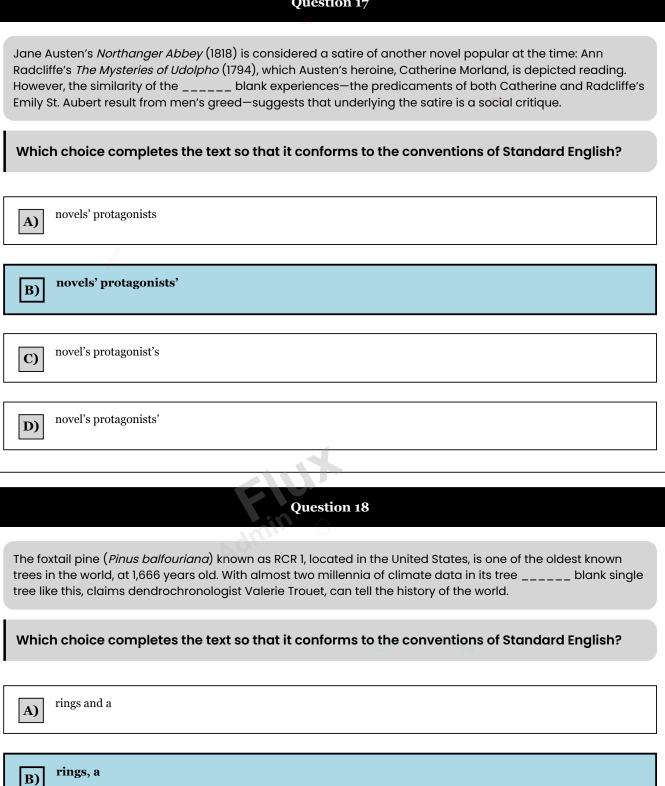
Which choice completes the text so that it conforms to the conventions of Standard English?

A) length (30 km), slip rate (less than 0.2 mm/yr),

B) length, (30 km); slip rate, (less than 0.2 mm/yr);

c) length, (30 km), slip rate, (less than 0.2 mm/yr),

D) length (30 km) slip rate (less than 0.2 mm/yr)



rings. A

rings; a

C)



When the electrons of a chemical element change energy sto that are unique to that element. This means that the emission (nm), which falls in the 500–570 nm range defining the green the element iron as the source of the light.	n of light with a wavelength of 516.7 nanometers
Which choice completes the text so that it conforms t	o the conventions of Standard English?
A) identifying	
- Silver	

B) identifies

c) to identify

D) having identified

Question 20

As the exoplanet 81 Ceti b orbits a star 330 light-years from Earth, the gas giant's gravity causes the star to wobble. In 2008, astronomers observing the wobble—indicated by redshifts and blueshifts in the star's spectral wavelengths—eventually attributed _____ blank to the gravitational influence of the previously undetected exoplanet.

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

A) them

B) it

C) these

D) each



Question 21					
Their Last Ride was first released in 2022. This short blank is about the environmental issues affecting wild and domestic horses, was directed by Cherokee filmmaker Neta Rhyne.					
Which choice completes the text so that it conforms to the conventions of Standard English?					
A) documentary					
B) documentary which					
C) documentary,					

In September 1862, John Francis joined the US Army. He went on to serve in the 2nd Louisiana Infantry during the US Civil War and, _____ blank earned a place in US history as one of the war's few Chinese-born American soldiers.

Which choice completes the text with the most logical transition?

documentary, which

for instance,

B)

D)

A) in doing so,

in any case,

D) usually,



The World Cup of men's soccer, one of the biggest sporting events on the planet, brought 32 national teams from six continents to the host country, Qatar, in 2022. The event, which is held every four years, used to be much smaller and more limited geographically. _____ blank the 1950 World Cup in Brazil included only 13 teams, all from Europe and the Americas.

Which choice compl	letes the text with the most lo	gical transition?
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A) In addition,

B) However,

C) At last,

D) For example,

Question 24

In a given rock formation, Fortunian rock from 538 million years ago might directly abut Rhaetian rock from 208.5 million years ago, with millions of years of material missing in between. ____ blank time did not stand still during these intervening years; the unaccounted-for sedimentary material was likely removed from the stratigraphic record via erosion and weathering.

Which choice completes the text with the most logical transition?

A) On the contrary,

B) Of course,

C) As a result,

D) In particular,



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

- The Madeira River is in South America.
- It ranks No. 21 among the longest rivers in the world.
- It is 3,380 kilometers long.
- The Amur River is in Asia.
- It ranks No. 10 among the longest rivers in the world.
- It is 4,444 kilometers long.

D)

The student wants to compare the lengths of the two rivers. Which choice most effectively uses relevant information from the notes to accomplish this goal?

A) The Madeira River in South America is 3,380 kilometers long.

B) The Amur River is in Asia, whereas the Madeira River is located in South America.

Among the longest rivers in the world, the Amur River is ranked No. 10.

The Madeira River is shorter than the Amur River.

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

- The A.M. Turing Award is a prestigious award given by the Association for Computing Machinery (ACM).
- The ACM gives the award for "major contributions of lasting importance to computing."
- It is named after groundbreaking British mathematician Alan Turing.
- Judea Pearl won the award in 2011.

The student wants to explain whom the award is named for and identify one recipient of it. Which choice most effectively uses relevant information from the notes to accomplish this goal?

A)

The A.M. Turing Award is given for "major contributions of lasting importance to computing."

B)

The A.M. Turing Award, which is named for British mathematician Alan Turing, was given to Judea Pearl in 2011.

C)

In 2011, Judea Pearl won the A.M. Turing Award, which is given for "major contributions of lasting importance to computing."

D)

It was in 2011 that Judea Pearl won the A.M. Turing Award.

iD:Admi

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

- In music theory, the term "key" refers to the set of musical notes that forms the foundation of a piece of music.
- In *On the Sensations of Tone* (1863), German physicist Hermann von Helmholtz describes the mood of various musical keys.
- He describes the key of F sharp major as "brilliant, very clear."
- "Give Me One Reason" (1995) by Tracy Chapman is a song written in F sharp major.

The student wants to explain how Helmholtz describes F sharp major. Which choice most effectively uses relevant information from the notes to accomplish this goal?

A)

The key of F sharp major is one of various keys, which are sets of musical notes that form the foundations of pieces of music.

B)

In On the Sensations of Tone, Helmholtz describes the mood of F sharp major.

C)

The song "Give Me One Reason" could be described as "brilliant, very clear."

D)

In On the Sensations of Tone, Helmholtz describes the mood of F sharp major as "brilliant, very clear."

Section 1, Module 2: Reading and Writing

The following text is from Thomas Hardy's 1874 novel *Far from the Madding Crowd.* In the text, the narrator describes an open tract of land.

The changes of the seasons are less <u>obtrusive</u> on spots of this kind than amid woodland scenery. Still, to a close observer, they are just as perceptible; the difference is that their media of manifestation are less trite and familiar than such well-known ones as the bursting of the buds or the fall of the leaf.

Question 2

The metal displayed in the structure of House in Kamiaraya by Kazuto Nishi Architects and the metal hardware in UE House by GENETO are representative aspects of a juxtaposition common in contemporary Japanese architecture: the _____ blank of sleek, contemporary elements and traditional organic materials in a single design is a trend with both aesthetic and highly practical purposes.

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

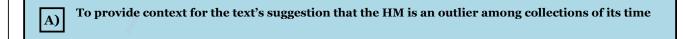
A) synthesis	
B) designation	**)
(C) analysis	
D) diffusion	

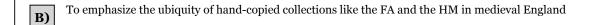


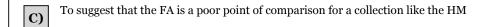
Described in treatises mainly published between 1768 and 1950 (such as William Holdsworth and William Aldridge's <i>Natural Short-Hand</i>), musical stenography used quickly written squiggles and dots in an attempt to preserve, in print and in real time, the blank features of live performances—those that result from impromptu deviations of performers when fidelity to an established musical score is not mandated.
Which choice completes the text with the most logical and precise word or phrase?
(A) inevitable
B) inconspicuous
C) extemporaneous
D) meticulous
Question 4
The plaice is ectothermic, or cold-blooded, and the southern bluefin tuna is a regional endotherm, meaning that parts of its body are typically warmer than the surrounding water. The basking shark had been classified as a full ectotherm, a position that became blank after researchers Haley R. Dolton and colleagues showed that the basking shark's body temperature is consistently 1.0 to 1.5°C warmer than the water.
Which choice completes the text with the most logical and precise word or phrase?
(A) inconsolable
B) untenable
(C) unequivocal
D) unanticipated

The Heege Manuscript (HM) is a collection of booklets of once-unbound paper sheets on which Richard Heege copied various texts at his fifteenth-century home between Derbyshire and Nottinghamshire in England. Most other contemporaneous personal manuscripts like the Findern Anthology (FA) consist primarily of pieces by celebrated medieval authors like Chaucer and other readings favored by elites, whereas the HM has a distinctive emphasis on the popular, including entertainments like scary stories, and the practical, with advice about hygiene.

Which choice best describes the function of the underlined portion in the text as a whole?







To illustrate how the discussion of the HM earlier in the text can improve historians' understanding of the FA

Text 1

The University of California, Irvine, and the online class provider edX are two of the many institutions offering training programs in entrepreneurship. But what results do such programs produce? In a study of businesspeople in Spain, researcher Natalia Cruz and colleagues addressed this question and reported that participants who received entrepreneurial training showed high innovativeness in entrepreneurial activities.

Text 2

D)

While studies of entrepreneurial training typically report positive results, a close look at these studies reveals widespread methodological shortcomings. This research literature is plagued by unclear hypotheses, insufficient sample sizes, a lack of control groups, and failures to establish pretraining baselines for the measured attributes of participants.

Based on the texts, the author of Text 2 would most like to know the answer to which question about Cruz and colleagues' study that is not addressed in Text 1?

A) Did Cruz and colleagues measure any attributes of the participants in the study after they had received the training?

B) Did the participants that Cruz and colleagues included in the study share any characteristics or life circumstances?

(C) How many Spanish businesspeople did Cruz and colleagues include in the study?

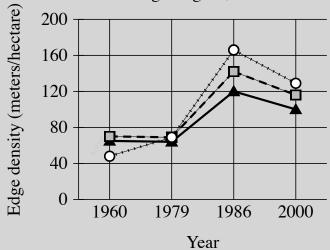
Did Cruz and colleagues compare Spanish businesspeople who received the training with a group of successful entrepreneurs who did not receive the training?

R.D. Lawrence et al. found that a recommender system (RS)—an algorithm that generates personalized product suggestions for online shoppers—impacted consumer behavior and increased sales, a result that was corroborated by Dokyun Lee and Kartik Hosanagar. However, Lee and Hosanagar also determined that whereas an RS had a stronger positive effect on item views for utilitarian products (e.g., dish detergents) than for hedonic products (e.g., music albums), the RS had a stronger positive effect on likelihood of purchase for hedonic products than for utilitarian ones.

Information in the text best supports which statement about recommender systems?

- **A)**
- While recommender systems can affect consumer behavior toward suggested products, those effects are not uniform in nature and strength across product categories.
- **B**)
- By directing customers toward specific product categories on a retailer's website, recommender systems may limit the variety of items seen by online shoppers.
- **C)**
- By proposing the most useful options to consumers, recommender systems boost the online visibility of utilitarian items that otherwise tend to be overlooked.
- D)
- While recommender systems cause consumers to spend more time viewing utilitarian items such as dish detergents, recommender systems' positive effect on purchase rates is likely limited to hedonic items such as music albums.

Annual Forest Edge Density by Land Use Capability Class, Chorotega Region, Costa Rica



- Class VII (very severe limitations on use for crops)

 □ Class VI (severe limitations on use for crops)

 ... O ... Class I-IV (suitable for crops)
- The following 3 lines are shown:
- Class VII (very severe limitations on use for crops)
- Class VI (severe limitations on use for crops)
- Class I-IV (suitable for crops)
- The Class VII (very severe limitations on use for crops) line:
- Begins at 1960, 65 meters per hectare
- Falls gradually to 1979, 64 meters per hectare
- Rises sharply to 1986, 120 meters per hectare
- Falls gradually to 2000, 100 meters per hectare
- The Class VI (severe limitations on use for crops) line:
- Begins at 1960, 70 meters per hectare
- Falls gradually to 1979, 69 meters per hectare
- Rises sharply to 1986, 142 meters per hectare
- Falls gradually to 2000, 116 meters per hectare
- The Class I-IV (suitable for crops) line:
- Begins at 1960, 48 meters per hectare
- Rises gradually to 1979, 69 meters per hectare
- Rises sharply to 1986, 166 meters per hectare
- Falls gradually to 2000, 129 meters per hectare

Due to the Chorotega region's accessibility, various types of forested areas were converted to cattle pasture as rising international meat prices drove a cattle ranching boom in the 1960s and 1970s. Juan Pablo Arroyo-Mora and colleagues used historical aerial photography and remote sensing data to track fragmentation metrics across different land use capability classes (categories that indicate possible uses of forest land). One such metric, edge density, can be used to indicate the regularity of forest patch sizes, with decreases in edge density suggesting a trend towards uninterrupted forest patches with more regular shapes. The team found a range of edge density levels, from lows of around 80 meters per hectare or less in the 1960s and 1970s for all classes, to a high in 1986 of approximately _____ blank

A) 140 for Class VII.	C.
B) 160 for Class I-IV.	orD:
	9354
C) 60 for Class VII.	
50 for Class VI.	

		Studies of Couga	r Population Density	
Study authors	Location	Methods	Study area (square kilometers)	Maximum density (cougars per 100 square kilometers)
Linda L. Sweanor et al.	New Mexico (United States)	radio-collar tracking	2,059	2.00
Gregory A. Davidson et al.	Oregon (United States)	scat-detecting dogs	1,225	5.50
A.J. Noss et al.	Bolivia	regular camera trapping	215	7.99
David M. Choate et al.	Utah (United States)	helicopter surveying	1,300	10.24
Studies of the population density of cougars (<i>Puma concolor</i>) have yielded a range of results, which may in part reflect differences in the effectiveness of the methods that researchers have used in their studies. For example, the difference between the maximum population density reported by Linda L. Swegner et al. and				

example, the difference between the maximum population density reported by Linda L. Sweanor et al. and that reported by David M. Choate et al. might be artificially large if the use of _____ blank

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

radio-collar tracking is impractical outside of New Mexico. **A)**

radio-collar tracking underestimates the density of cougars. B)

helicopter surveying underestimates the density of cougars. **C)**

D)

helicopter surveying is more common in Utah than the use of radio-collar tracking is.

Vegetation has two primary mechanisms by which it reduces air pollution: deposition (absorption of pollutants) and, the more effective, dispersion (dilution of pollutants by ventilation). Accordingly, establishment of green space to reduce major air pollutants such as coarse particulate matter in urban areas receives considerable attention. Research by Zander S. Venter et al. comprised data from air-quality monitoring stations in Belgium, the US state of West Virginia, and thousands of other global locations over a ten-year span, coupled with aerial imagery of those locations from the same period. The researchers ultimately recommended that reducing anthropogenic emissions remain the primary focus of urban air-quality improvement efforts.

Which finding from the study, if true, would most directly account for the recommendation by Venter et al.?



The association between levels of coarse particulate matter and green space is strongly negative for locations containing or in close proximity to major cities but becomes insignificant for more rural locations.



The association between green space and coarse particulate matter levels is moderately negative overall but becomes slightly negative and sometimes positive when consideration is limited to busy streets with tree cover heavy enough to hinder ventilation.



Ambient levels of coarse particulate matter are comparable across locations with comparable local infrastructure (e.g., typical building shape) but vary considerably depending on the predominant type of vegetation present.



There is a predictable relationship between a location's typical climate conditions and the efficacy of green spaces in that location, but anomalous local weather events have an outsized effect on deposition and dispersion of coarse particulate matter.



Northeastern Missouri's Ralls County is among the most rural counties in the United States: the US Census Bureau classified it as 96.1% rural in 2010. Researchers often struggle to recruit residents of counties like Ralls for inclusion in studies. Melissa Valerio and colleagues tested whether an approach called snowball sampling improves recruitment. Working in two rural counties, they recruited a few people (known as "seeds") with the characteristics desired for a proposed study and asked them to recruit additional participants from their social networks. Though the seeds were given minimal guidance, many more people they recruited had the desired characteristics for the study than would be expected by chance alone, most likely because _____ blank

Which choice most logically completes the text?

- (A) the characteristics that made the seeds desirable for inclusion in the proposed study may be unknown to some members of the seeds' social networks.
- **B)** most seeds' social networks include some people who do not know one another and who share few characteristics.
- (C) the seeds' social networks tend to be somewhat smaller than the networks of people who do not live in rural areas.
 - the seeds' social networks include a high proportion of people who share characteristics with the seeds.

Neuroscientist Artin Arshamian and his team sought to determine what affects a person's perception of an odor as pleasant: is it culture, personal taste, or aspects of human anatomy? The team assessed odor preferences in ten groups of people with different modes of living (urban, agricultural, and hunter-gatherer) including the Maniq people from a small community in Thailand and urban dwellers from a large city in Mexico. The team observed that across cultures, people generally rated odors about the same: ethyl butyrate, which smells like peaches, was typically rated more pleasant than mushroom alcohol, which smells like fungus. The team's study thus undermined the idea that _____ blank

Which choice most logically completes the text?

A)	a person who	perceives certair	odors as pleasan	t will likely per	ceive the odors	as roughly equ	al in pleasantness.
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- B) culture significantly influences whether a person perceives an odor as pleasant or unpleasant.
- **C)** people agree in their perception of odors as pleasant or unpleasant regardless of where they live.
 - personal taste has little influence on whether odors are perceived as pleasant or unpleasant.

A soil's microbial community (the microbial taxa present in their relative abundances) is known to affect plants' cyclical processes. Corrine Walsh and colleagues hypothesized that microbial communities could also affect plants' flavor chemistry, including volatiles and secondary metabolites like glucosinolates. Recognizing that soil moisture varies by location in the wild and could influence plants' chemistry, Walsh et al. introduced distinct microbial communities to individually potted mustard plants (*Brassica juncea*) growing in a controlled environment, then measured the plants' glucosinolates, like butenyl and allyl (the most prominent), that create the spicy and bitter flavors in mustard. This method thus enabled the researchers to _____ blank

Which choice most logically completes the text?

A)	demonstrate that differences in plants' flavor chemistry result from differences in the level of glucosinolates
	demonstrate that differences in plants' flavor chemistry result from differences in the level of glucosinolates regardless of the soil moisture.

- **B)** re-create the conditions of studies conducted in the wild that found links between soil microbial communities and levels of butenyl in mustard plants.
- disentangle the influence of microbial communities on soil moisture from their influence on glucosinolate content in the plants.
- D) distinguish variations in glucosinolates due to differences in microbial communities from those that in a natural setting may be due to differences in soil moisture.

Question 14

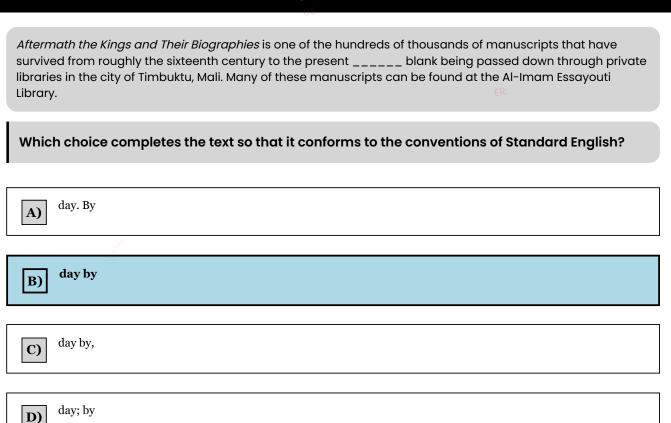
Louisiana resident P.B.S. Pinchback, one of the nearly two thousand African Americans elected to public office during the decade that followed the Civil War, _____ blank his term as a member of the state senate in 1868.

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

to begin	LUX-
Ay	10: _{Adm} ,

B) began

- C) beginning
- D) having begun



Question 16

Occurring in the constellation Perseus, 240 million light-years from Earth, SN 2006gy was a _____ blank explosion of a massive star, which blasts large amounts of radiation, heavy elements, and debris into space—that was first detected by American astronomer Robert Quimby.

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

A) supernova: the

B) supernova, the

C) supernova. The

D)

supernova—the



The neurotechnology company Neuros Medical is working on an exciting new technology: a process that uses bioelectric signals to target sensory nerves to help relieve pain. Neuros Medical's technology, alongside other such neuromodulation technologies that function by stimulating nervous system structures, blank the way for future advancements in neurotechnology.
Which choice completes the text so that it conforms to the conventions of Standard English?
A) paving
B) is paving
C) are paving
D) have paved
Question 18
Taking a structuralist approach to analyzing Tomas Rivera's novel <i>And the Earth Did Not Devour Him</i> would lead a critic to focus on the linguistic conventions inherent in the novel. On the other hand, a New Historicist analysis blank on historical context and its relationship to power structures might yield a radically different interpretation of Rivera's novel.
Which choice completes the text so that it conforms to the conventions of Standard English?
(A) would be focusing
B) would focus

focuses

focusing

C)



The legacy of the Spanish Empire, which once controlled portions of five continents, is evident in Spanishspeaking Paraguay, one of many places that reveal their imperial history in their language. Contrast Paraguay with the Netherlands, which ceased to be part of the empire in _____ blank the latter's connection to the empire is so attenuated that Spanish is seldom spoken there today.

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

1648, **A)**

1648 B)

1648: **C)**

1648 and D)

Question 20

To determine the approximate age of wooden tools excavated from an archaeological site in Spain, archaeologist Joseba Rios-Garaizar and colleagues collected samples of sediments surrounding the tools; these samples were then analyzed using a method known as optically stimulated luminescence (OSL) dating. _____ blank OSL dating indicated that the tools were between 50,000 and 137,000 years old.

Which choice completes the text with the most logical transition?

Similarly, A)

Ultimately, B)

In addition, **C**)

By comparison, D)

Architect Victor Gruen, the designer of Indiana's Woodmar Plaza shopping mall, conceived of the mall as an indoor version of the European town square, a communal space that encouraged visitors to stroll and linger. blank he designed Woodmar Plaza with long, pedestrian-friendly promenades and ample seating areas clustered around fountains and greenery.
Which choice completes the text with the most logical transition?
A) In addition,
B) Regardless,
C) Accordingly,
D) By contrast,
Question 22
Question 22
In his meta-analysis of recent studies of animal information cascades, Joseph S. McCormick presents several examples of adaptive cascades (i.e., information transfers that benefit a collective), including one that involves humpback whales. However, not all cascades are beneficial blank his meta-analysis cites one study that described how black-throated blue warblers followed flock-mates' choice of habitat even when that habitat lacked adequate vegetative cover.
Which choice completes the text with the most logical transition?
A) Instead,
B) In response,
C) Indeed,

In addition,

As can be seen in the case of *The Dial*, a New York magazine published from July 1920 to July 1929, some small periodicals influential in the development of the modernist movement have been explored in depth by scholars. The London magazine Voices (1919), ____ blank remains among those modernist periodicals "of interest and significance about which relatively little is known," according to scholars Peter Brooker and Andrew Thacker. Which choice completes the text with the most logical transition? likewise, **A)** moreover, B) though, **C)** for instance,

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

- Atoms in a solid state are ordered and cannot move freely; atoms in a liquid state are disordered and can move three-dimensionally.
- Under high pressure and heat, potassium forms an unusual dual structure: a solid lattice of atoms (the host) surrounds partially liquid atom chains (the guest).
- This hybrid state (chain melt) was previously thought to be a transitional phase between solid and liquid states.
- A 2019 study confirmed that even under extreme heat, the host structure remained solid while the guest structure did not become fully liquid.
- These guest atoms exhibited disorder but were confined to one-dimensional movement by the host.
- Chain melt was determined to be a stable, distinct state.

The student wants to explain why potassium is not fully liquid in a chain melt state. Which choice most effectively uses relevant information from the notes to accomplish this goal?

A)

A chain-melt state involves a dual structure of a solid host lattice surrounding partially liquid chains of potassium atoms.

B)

In chain melt, some potassium atoms exhibit liquid-like disorder but remain confined by a solid lattice, preventing the free three-dimensional movement of a fully liquid state.

C)

A 2019 study confirmed that potassium atoms do not become fully liquid under high pressure and heat; instead, they enter chain melt, a transitional phase between solid and liquid states.

D)

Because potassium atoms remain disordered in chain melt even under extreme heat, they cannot reach a fully liquid state.

ID:Admi

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

- In the 1940s, geneticist Barbara McClintock discovered mobile segments of DNA.
- McClintock called these segments "controlling elements," but they are now commonly known as transposable elements (TEs).
- TEs are capable of altering gene expression as they change position within a cell's genome.
- In 1950, geneticist Esther Lederberg discovered a process (the lysogenic cycle) by which bacteria-infecting viruses (phages) pass their genetic material to a host cell's descendants.
- · Phage DNA will enter a bacterial host cell and incorporate itself into the host cell's genome.
- When the host cell divides, the phage DNA replicates along with the host's DNA.

The student wants to compare McClintock's discovery with Lederberg's. Which choice most effectively uses relevant information from the notes to accomplish this goal?



Like McClintock's discovery, which revealed moving DNA segments within a cell's genome, Lederberg's discovery also involved DNA mobility, showing how phage DNA will enter a bacterial host cell and incorporate itself into the cell's genome.



Both McClintock and Lederberg were geneticists: McClintock found that phage DNA could be passed to bacterial host cells, and Lederberg identified DNA segments that can change position within genomes.



McClintock's and Lederberg's discoveries provided insight into how phage DNA uses the lysogenic cycle to change position within the genome of a bacterial host cell.



While McClintock first discovered DNA segments capable of altering gene expression, Lederberg's discovery provided geneticists with a better understanding of how TEs move within host cells.



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

- Grain was used as commodity money in ancient Sumer.
- In a commodity money economy, specific goods act as a common unit of monetary exchange that can be used to buy and sell other goods.
- In a barter economy, goods are traded directly between parties without the use of money.
- Economists Bruce Champ and Scott Freeman: bartering requires that "the person with whom you wish to trade must not only have what you want but also want what you have. The inefficiency is apparent; a great deal of time is spent merely finding someone with whom to trade."
- Champ and Freeman: when "individuals might come to accept one particular good in exchange for others
 even if they do not wish to consume that good...barter economies essentially become monetary economies."

The student wants to paraphrase a quotation from Champ and Freeman to explain the inefficiency of barter economies. Which choice most effectively uses relevant information from the notes to accomplish this goal?



According to Champ and Freeman, the inefficiencies of barter economies become apparent when goods are traded between parties without the use of money.



The precise alignment of desires that barter economies require, Champ and Freeman contend, makes them inefficient.



In a barter economy, Champ and Freeman contend, goods are traded directly between parties without the use of money, leading to inefficiency.



Champ and Freeman argue that inefficient barter economies can become monetary economies if a good becomes a unit of exchange.



Vexillology is the study of flags.

D)

- The flags of many countries include symbols like animals, plants, or landforms.
- These symbols often represent an aspect of the region's history, culture, or landscape.
- The flag of Eritrea includes an olive branch.
- The flag of Croatia includes leopards.

Which choice most effectively uses information from the given sentences to emphasize a difference between the two flags?

Many countries feature symbols on their flags, such as animals, plants, or landforms, and the study of these designs is known as vexillology.

B) Countries like Eritrea and Croatia use symbols on their flags; examples include plants and animals.

(C) Vexillologists study flags, like those of Eritrea and Croatia.

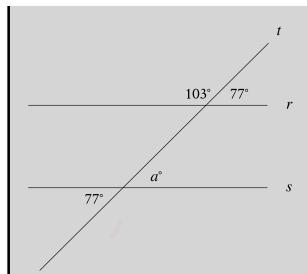
Eritrea includes a plant on its flag, whereas Croatia's flag includes an animal.

Section 2, Module 1: Math

A certain goose species can fly at an average speed of 16 meters per second when in continuous flight. At this rate, how many meters would this goose species fly in 6 seconds? A) 96 B) 16 C) 10

22

D)



Note: Figure not drawn to scale.

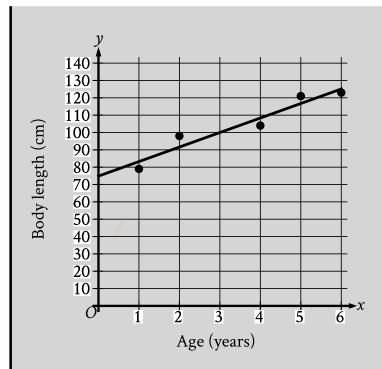
In the figure shown, lines r and s are parallel, and line t intersects both lines. What is the value of a?











The scatterplot shows 5 measurements of the body length, in $centimeters\ (cm)$, of a New Zealand fur seal from an age of 1 year to 6 years old. A line of best fit is also shown. For a New Zealand fur seal at an age of 3 years old, what is the body length predicted by the line of best fit, to the nearest $10\ cm$?

Answer:

100

O'Admi

There is a linear relationship between the mass of an object attached to a vertical spring and the length of the spring extension. The table shows data collected after certain objects were each attached to the spring.

Mass of object	Length of spring extension
20 grams	7 centimeters
60 grams	21 centimeters

What is the length of the spring extension, in centimeters, when a 50-gram object is attached to the spring?



D) 17.5		

$$g = 13 - \frac{x}{29}$$

The equation shown gives the estimated amount of gas g, in gallons, that remains in the gas tank of a car after being driven x miles, where $0 \le x \le 377$. What is the estimated amount of gas, in gallons, that remains in the gas tank of the car when x=290?

A) 13

B) 0

C)

D) 16

Question 6

$$\sqrt{x^2} = 80 - 9x$$

What is the solution to the given equation?

A) 4

B) 71

C) 90

D) 8

A right square pyramid has a height of 6 units and a volume of 128 cubic units. What is the length, in units, of one side of the base of the pyramid?









Question 8

A rectangle has an area of 66 square meters and a length of 11 meters. What is the width, in meters, of the rectangle?



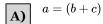




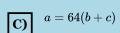


$$\frac{a}{(b+c)} = 64$$

The given equation relates the positive numbers a, b, and c. Which equation correctly expresses a in terms of b and c?



B)
$$a = 64 - (b+c)$$



$$\boxed{\mathbf{D)}} \quad a = \frac{64}{(b+c)}$$

Question 10

For the linear function f, the graph of y=f(x) in the $\it xy$ -plane passes through the points (0,6) and (7,7). What is the slope of y=f(x)?

Answer:

.1428

Question 11

If x+3y=29 and 7x-12y=-61, what is the value of y?

Answer:

8



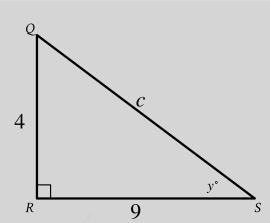
For the polynomial function f, the graph of y=f(x) in the $\it xy$ -plane passes through the points (-4,0), (1,0), and (9,0). Which of the following must be a factor of f(x)?







$$\boxed{\mathbf{D)} \quad x+1}$$



Note: Figure not drawn to scale.

In triangle QRS, what is the value of $\tan\,y\,^{\circ}$?







 $\boxed{\mathbf{D}} \quad \frac{9}{4}$

$$8x + 32y = 30$$

$$12x + 48y = 45$$

At how many points do the graphs of the given equations intersect in the xy-plane?

A) Zero

B) Exactly one

C) Infinitely many

Exactly two

D)

Question 15

Number of cars	Maximum number of passengers and crew
2	102
6	294
10	486

The table shows the linear relationship between the number of cars, c, on a commuter train and the maximum number of passengers and crew, p, that the train can carry. Which equation represents the linear relationship between c and p?

A) 48p - c = -6

B) 48c - p = 6

C) 48p - c = 6

D) 48c - p = -6

In the *xy*-plane, the graph of the equation $(x-4)^2+(y-9)^2=16$ is a circle. The point (8,c), where c is a constant, lies on this circle. What is the value of c?

Answer:

g

Question 17

$$y > \frac{9}{7}x + b$$

In the given inequality, b is a positive constant. Which of the following does **NOT** contain any points (x,y) in the xy-plane that are solutions to this inequality?

- **A)** The region where x < 0 and y < 0
- **B)** The region where x < 0 and y > 0
- **C)** The region where x > 0 and y > 0
- $\boxed{ \textbf{D)} } \quad \textbf{The region where } x>0 \textbf{ and } y<0 \\$





B) 6



D)

Question 19

A dog's mass is 24 kilograms. What is the dog's mass, in grams? $(1 \ \mathrm{kilogram} = 1{,}000 \ \mathrm{grams})$

Answer:

24000

iD:Adm

$$-3x^2 - 5x + 6 = 0$$

What is the greatest solution to the given equation?

A)
$$-\frac{5}{6} - \frac{\sqrt{9}}{6}$$

B)
$$-\frac{5}{3} + \frac{\sqrt{97}}{3}$$

(c)
$$-\frac{5}{6} + \frac{\sqrt{97}}{6}$$

D)
$$-\frac{5}{3} - \frac{\sqrt{97}}{3}$$

Question 21

A beaker containing a liquid is placed on a table. The function $g(t)=297+\left(363-297\right)\left(2.72\right)^{-0.103t} \text{gives the approximate temperature, in kelvins, of the liquid }t\text{ minutes after the beaker was placed on the table. According to this function, what was the approximate temperature, in kelvins, of the liquid when the beaker was placed on the table?}$

Answer:

363

The function f is defined by $f(x)=a^x+b$, where a and b are constants and a>0. In the $\it xy$ -plane, the graph of y=f(x) has a $\it y$ -intercept at (0,-22) and passes through the point (2,26). What is the value of a+b?

Answer:

-16

Section 2, Module 2: Math

Question 1

Which expression is equivalent to $\left(3x^3-8x+5\right)-\left(4x^6+9x-2\right)$?

A)
$$-4x^6 + 3x^3 - 17x + 7$$

B)
$$-x^9 - 17x - 7$$

$$-x^9 - x + 3$$

D)
$$-4x^6 + 3x^3 + x + 3$$

What is the slope of the graph of $y=rac{7}{12}x$ in the \emph{xy} -plane?







D)
$$\frac{1}{7}$$

Question 3

$$34x + 79y = 260$$

The given equation represents the volume of mulch x, in cubic feet, and the volume of soil y, in cubic feet, in a mixture of mulch and soil that weighs 260 pounds. If the volume of soil in the mixture is 2 cubic feet, what is the volume of mulch in the mixture, in cubic feet?

Answer:

3

$$y > -4x - 9$$

For which of the following tables are all the values of x and their corresponding values of y solutions to the given system of inequalities?

A)

x	y
5	<u> </u>
6	5
7	6

B)

x	y
-12	-5
-11	-6
-10	-7

C)

x	y
-12	-13
-11	-12
-10	-11

D)

x	y
5	10
6	9
7	8

$$f(x) = 5(g(x)) - 3$$

$$g(x) = |13x - 9|$$

The functions f and g are defined by the given equations. What is the value of f(-10)?

A) 6

692

B) 139

C) 698

 $| {\bf D} {\bf)} |^{-53}$

Question 6

$$\sqrt{x^2 - 95x + 300} = x\sqrt{11}$$

What are all possible solutions to the given equation?

A)

B) $-\frac{5}{2}$ and 12

C) 12

D) $\frac{5}{2}$ and -12

The population of a certain city doubled every 75 years from 1657 to 1957. The population of this city was $240,\!000$ in 1957. What was the population of this city in 1657?

Answer:

15,000

Question 8

Line k is defined by 4x+13y-5=0. Line j is perpendicular to line k in the $\it xy$ -plane. What is the slope of line $\it j$?



B) 13/4



D) $-\frac{13}{5}$

In the xy-plane, an equation of circle A is $(x-2)^2+(y-4)^2=9$. Circle B has the same center as circle A but has a radius that is twice the radius of circle A. Which equation represents circle B?

A)
$$(x-2)^2 + (y-4)^2 = 81$$

B)
$$(x-2)^2 + (y-4)^2 = 36$$

(x-2)² +
$$(y-4)^2 = 18$$

D)
$$(x-2)^2 + (y-4)^2 = 54$$

Question 10

The length of the diagonal of a square is $\frac{186\sqrt{2}}{2}$ units. What is the area, in square units, of the square?

- **A)** 8,649
- **B)** 17,298
- **C)** 93
- **D)** 372

Each of the following frequency tables represents a data set. Which data set has the greatest mean?

A)

Value	Frequency
60	3
70	3
80	3
90	3

B)

Value	Frequency
60	4
70	3
80	3
90	4

C)

Value	Frequency
60	1
70	2
80	3
90	4

D)

Value	Frequency
60	5
70	2
80	2
90	5

A partially filled container containing 26 milliliters of water is placed under a leaky faucet that produces one 0.03-milliliter drop of water every 3 seconds. Until the container is full, which of the following can be used to represent the volume v, in milliliters, of water in the container t seconds after it is placed under the faucet, where t is a multiple of 3?

$$oldsymbol{A}$$
) $v =$

$$v=0.01t+26$$

$$v=0.09t+26$$

$$v=3t$$

$$v=0.03t+26$$

Question 13

At the beginning of an experiment, the temperature of a liquid is 23 degrees Celsius ($^{\circ}$ C). During the first 4.0 minutes of the experiment, the temperature of the liquid increases at an average rate of $6.5\,^{\circ}$ C per minute. Then, the temperature of the liquid increases at a constant rate of $2.2\,^{\circ}$ C per minute. If the temperature of the liquid reaches $61\,^{\circ}$ C x minutes after the beginning of the experiment, where x>4.0, which equation represents this situation?

$$61 = 2.2x + 49$$



$$61 = 2.2(x - 4.0) + 49$$

$$61 = 2.2(x - 4.0) + 26$$

$$61 = 2.2x + 23$$

A science club from a certain high school in Ohio conducted an experiment to study the effects of smell on taste. A sample of 100 students was selected at random from the high school to participate in the experiment. First, the students tasted a pureed food sample while wearing covered goggles and nose plugs. Then, the students tasted the same pureed food sample without nose plugs. 35 students were able to correctly identify the pureed food sample while wearing nose plugs. Which of the following is the largest population to which the results of the experiment can be generalized?

All students from the high school

The 100 students who participated in the experiment

The 35 students who were able to correctly identify the pureed food sample while wearing nose plugs

All students from high schools in Ohio

Question 15

For the positive quantities h, j, and k, 13% of h is equivalent to 19% of j, and j is equivalent to 91% of k. What percentage of k is h? (Disregard the % sign when entering your answer. For example, if your answer is 39%, enter 39)

Answer:
133



The function f is defined by $f(x)=11x^3$. The graph of y=f(-x)+c in the $\it xy$ -plane, where c is a positive integer constant, has an $\it x$ -intercept at (r,0) and a $\it y$ -intercept at (0,t), where $\it r$ and $\it t$ are constants. Which of the following must be true about $\it r$ and $\it t$?

$$\boxed{\mathbf{A)}} \quad r < 0 \text{ and } t < 0$$

$$\boxed{\mathbf{B)}} \quad r < 0 \text{ and } t > 0$$

$$\boxed{\mathbf{D}} \quad r > 0 \text{ and } t < 0$$

Question 17

A certain investment account offers a special interest rate for the first 6 months the account is open followed by a lower interest rate for the remainder of the time the account is open. Bennett opened one of these accounts with an original account balance of \$600 and did not make any other deposits or withdrawals. 6 months after Bennett opened the account, the balance had increased by 0.4% of the original balance. 8 months after Bennett opened the account, the balance had increased by an additional 0.3% of the balance at the end of the first 6 months. Every 2 months after the first 8 months, the balance had increased by an additional 0.3% of the balance 2 months before. Which of the following equations could represent the account balance B(x), in dollars, x months after the account was opened, where $x \geq 6$?

B)
$$B(x) = 602.40(1.003)^{\frac{x}{2} - \frac{6}{2}}$$

$$\boxed{\mathbf{D}} \quad B(x) = 602.40(1.003)^{2x-6}$$

In the xy-plane, the graph of the equation $y=-x^2+7x-104$ intersects the line y=c at exactly one point. What is the value of c?



B)
$$-\frac{7}{2}$$

$$C)$$
 -104

D)
$$-\frac{465}{4}$$

Question 19

$$\frac{1}{24}x^2 + \left(s - \frac{1}{24}t\right)x - st = 0$$

In the given equation, s and t are positive constants. The product of the solutions to the given equation is -2kst, where k is a constant. What is the value of k?

Answer:

12

Question 20

In triangle RST, angle T is a right angle, point L lies on \overline{RS} , point K lies on \overline{ST} , and \overline{LK} is parallel to \overline{RT} . If the length of \overline{RT} is 72 units, the length of \overline{LK} is 24 units, and the area of triangle RST is 396 square units, what is the length of \overline{KT} , in units?

Answer:

22/3

The area of a rectangular region is increasing at a rate of 210 square feet per hour. Which of the following is closest to this rate in square meters per minute? (Use $1 \mathrm{\ meter} = 3.28 \mathrm{\ feet.}$)









Question 22

If $rac{x+5}{3}=rac{x+5}{13}$, the value of x+5 is between which of the following pairs of values?



$$\overline{\text{C)}}$$
 -4 and 4

$$-6 \text{ and } -3$$

EKON-Admin

USER:Admin

