3 ... 12^{10} , $12^{10} + 12^{10}$, $12^{10} + 12^{10} + 12^{10}$, 20. A square with an area of 2 is inscribed in a circle. What is the area of the circle? 19. In the sequence above, the first term is 12^{10} and each (A) π term after the first is 1210 more than the preceding (B) π^2 term. Which term in the sequence is equal to 12¹²? (C) 2π (D) 2√2π (A) The 3rd term (B) The 12th term (E) 4*n* (C) The 24th term (D) The 120th term (E) The 144th term . STO If you finish before time is called, you may check your work on this section only. Do not turn to any other section in the test. 18



- (D) cautiousness . . postponed
- (E) foresight ... ignored

(A) discreet (B) deferential (C) loquacious (D) obdurate (E) rapacious

plea.s.

GO ON TO THE NEXT PAGE



The passages below are followed by questions based on their content; questions following a pair of related passages may also be based on the relationship between the paired passages. Answer the questions on the basis of what is <u>stated</u> or <u>implied</u> in the passages and in any introductory material that may be provided.

Questions 6-9 are based on the following passages.

Passage 1

line

One of the strangest and most enthralling aspects of blogs (online journals) is just how intensely personal they can be. People like me maintain personal blogs because they like the idea that there's a place where a record of their existence is kept—a house with an always-open door where people who are looking for you can check on you, compare notes with you, and tell you what they think

of you. Sometimes that bouse is messy, sometimes horrifyingly so. In real life, we wouldn't invite any passing stranger into these situations, but the remove of the Internet makes it seem OK.

Passage 2

Something about the personal blog makes me distinctly uncomfortable. After several hours of reading these blogs, I often feel sick, as if I've watched too many tell-all talk shows on daytime television. I've learned too much I didn't need to know about too many people's everyday lives lives without anything particularly extraordinary to recommend them. except the bloggers' own sense of importance. Some blogs make me feel guilty, as if I have been looking at texts that are too personal and not intended

for me to see. But I must confess that when I find a blog I like, I frequent the site daily, anxious for new entries.

- 6. The authors of both passages
 - (A) criticize the development of a new technology
 - (B) offer personal views of a contemporary practice
 - (C) advocate participation in a creative enterprise
 - (D) suggest unconventional modes of personal expression
 - (E) mock common perceptions of a popular medium

- 7. Which generalization about personal blogs is supported by both passages?
 - (A) Writers often find personal blogs tedious to produce.
 - (B) The populatity of personal blogs is difficult to understand.
 - (C) Many of the issues discussed in personal blogs can be uninteresting to readers.
 - (D) Certain aspects of personal blogs are more acceptable on the Internet than they would be in real life.
 - (E) Private details are often exposed on personal blogs.
- The author of Passage 2 would most likely consider the "passing stranger" (lines 9-10, Passage 1) to be
 - (A) an accurate characterization of a blog reader
 - (B) an inviting distraction to a blog writer
 - (C) an intrusion into the experience of reading a blog
 - (D) an unrealistic representation of the dangers of blogs
 - (E) a symbol of the fading popularity of blogs
- 9. Which statement best describes the relationship between the two passages?
 - (A) The author of Passage 1 views personal blogs as unique and individual, whereas the author of Passage 2 is interested in their broader cultural significance.
 - (B) The author of Passage 1 is a self-effacing blogger, whereas the author of Passage 2 believes that writing blogs is a self-aggrandizing pursuit.
 - (C) The author of Passage 1 finds the intimacy of personal blogs compelling, whereas the author of Passage 2 is ambivalent about that intimacy.
 - (D) The author of Passage 1 asserts that many blogs are well written, whereas the author of Passage 2 is embarrassed about the poor literary quality of many blogs.
 - (E) The author of Passage 1 argues that most blogs consider overarching social issues, whereas the author of Passage 2 feels that too many blogs focus on mundane minutiae.



Questions 10-15 are based on the following passage.

This passage is from a novel about an aspiring young writer living in London in 1950.

Line 5

One day in the middle of the twentieth century, I sat in an old graveyard which had not yet been demolished, in the Kensington area of London, when a young policeman stepped off the path and came over to me. He was shy and smiling, he might have been coming over the grass to ask me for a game of tennis. He only wanted to know what I was doing but plainly he didn't like to ask. I told him 1 was writing a poem, and offered him a sandwich which he refused as he had just had his dinner, himself. He stopped 10 to talk awhile, then he said good-bye, the graves must be very old, and that he wished me good luck and that it was

nice to speak to somebody. This was the last day of a whole chunk of my life but I didn't know that at the time. I sat on the stone slab of some

- 15 Victorian grave writing my poem as long as the sun lasted. I lived nearby in a bed-sitting-room with a gas fire and a gas ring operated by pennies and shillings in the slot, whichever you preferred or had. My morale was high. I needed a job, but that, which should have been a depressing
- factor when viewed in cold blood, in fact simply was 20 not. Neither was the swinishness of my landlord, a Mr. Alexander, short of stature. I was reluctant to go home lest he should waylay me. I owed him no rent but he kept insisting that I should take a larger and more expensive
- room in his house, seeing that I had overcrowded the small 25 single room with my books, my papers, my boxes and bags, my food-stores and the evidence of constant visitors who stayed to tea or came late.

So far I had stood up to the landlord's claim that I was virtually living a double-room life for single-room

- pay. At the same time I was fascinated by his swinishness. Tall Mrs. Alexander always kept in the background so far as the renting of rooms was concerned, determined not to be confused with a landlady.
- Her hair was always glossy black, new from the 35 hairdresser, her nails polished red. She stepped in and out of the house with a polite nod like another, but more superior, tenant. I fairly drank her in with my mind while smiling politely back. I had nothing whatsoever against
- these Alexanders except in the matter of their wanting me 40 to take on a higher-priced room. If he had thrown me out I would still have had nothing much against them, I would mainly have been fascinated. In a sense I felt that the swine Alexander was quite excellent as such, surpassingly
- hand-picked. And although I wanted to avoid him on my return to my lodging I knew very well I had something to gain from a confrontation, should it happen.

- 10. The policeman in the first paragraph is represented primarily as
 - (A) talkative
 - (B) prying
 - (C) confident
 - (D) polite
 - (E) overbearing
- 11. Lines 13-14 ("This was ... time") are intended primarily to
 - (A) foreshadow future developments
 - (B) create a mood of melancholy
 - (C) highlight the narrator's inexperience
 - (D) exemplify the narrator's colloquial language
 - (E) hint at the narrator's previous misfortunes
- 12. In context, the phrase "in cold blood" (line 20) is best understood to mean
 - (A) maliciously
 - (B) rationally
 - (C) in a premeditated fashion
 - (D) with paralyzing fear
 - (E) with heartless detachment
- 13. The description of Mrs. Alexander in lines 32-38 ("Tall ... tenant") suggests that the narrator views her as
 - (A) brooding and distant
 - (B) proud and aloof
 - (C) arrogant and ill-tempered
 - (D) judgmental and snide
 - (E) boring and unintelligent



14. In context, the statement in line 38 ("I fairly ... mind") indicates that the narrator

- (A) feels connected intellectually to Mrs. Alexander
- (B) wishes she could be like Mrs. Alexander
- (C) feels self-conscious in Mrs. Alexander's presence
- (D) shuns Mrs. Alexander's company
- (E) is captivated by Mrs. Alexander's style

- 15. The narrator's attitude toward her situation is best described as
 - (A) incredulous
 - (B) apprehensive
 - (C) contented
 - (D) ambivalent
 - (E) self-congratulatory



Questions 16-24 are based on the following passage.

This passage is adapted from a book written by a physicist in 2004.

Although biological mechanisms do not work with the accuracy or stability of modern clocks, a sense of time and its rhythm is built into the functioning of the human body. Our heart, with its beating pulse, is the clocklike internal 5 rhythm of which we are most aware. In his discovery of the law of the pendulum, which turned out to have the most profound effect on all later time-measuring devices, Galileo used—if legend can be believed—his own pulse beat as the test. There are, however, other biological timekeepers that play important roles in our lives. These inner clocks are generally very regular, but they can also be "reset" and will fall in step with a shifted rhythm. Even after we take a long flight across the Atlantic or Pacific, our lack of synchronization with the local time slowly disappears. The 15 technical term, introduced in 1959, for the internal timer

Line

10

- that keeps track of this 24-hour periodicity and retains it even in the absence of external cues is the circadian system (from the Latin circa for "about" or "approximately" and dies for "day"). Though known to biologists for over 200 years, biological clocks have been the subject of 20
- intensive research during the last half century. The first human physiological variables that scientists

observed to be governed by a circadian rhythm were pulse rate and body temperature. Even if a person rests in bed

and fasts, his or her deep-body temperature will vary by almost one degree centigrade between its low in the early morning hours and a high late in the afternoon. More than 100 additional physiological and psychological variables are also subject to diurnal periodicities. For example, the speed with which children can do computations varies by 30

about 10 percent between its slowest value in the early morning to a high before noon, dropping to a nadir in the early afternoon, rising again to a peak at about 6 o'clock and then falling off in the evening. This pattern was first

35 measured in 1907 and replicated a half century later. The extremely controversial question that arose immediately was to what extent this human circadian rhythm was an autonomous mechanism rather than a simple response to external signals, such as changes in the level of light, the times of meals, or social interactions with our surroundings. It bas not been easy to find the answer, but careful laboratory experiments have led to the definite conclusion that our body contains an autonomous timekeeper. Individuals who volunteered to be kept in artificial isolation with no time cues of any kind also helped find the answer. In 1962 a French researcher spent two months in a cold cave, 375 feet underground in the Alps. The Frenchman called his aboveground supporters by

telephone whenever he ate, went to sleep, and woke, and he recorded in detail his thoughts and impressions of the passage of time. He and all such explorers found themselves subject to definite internal time signals. It

turned out, however, that the measured period of their bodily variables (all of which were consistent with one

another), as well as their subjective impression of the time 55 of day and their periods of sleep and waking, was slightly longer than 25 hours. By the time they emerged from their prolonged isolation, their internal timer was many hours out of phase with the external 24-hour clock,

Today, the autonomy of biological clocks is a well-60 established fact. Though running at a steady rate, our internal clock is "slow" by about an hour per day, but since it is continually automatically reset by cycles of light and dark, under normal circumstances the loss of time is not

cumulative; our internal clock is entrained with the rhythm 65 of the Sun.

- 16. The primary purpose of the passage is to
 - (A) describe a phenomenon and how it came to be understood
 - (B) discuss a problem and several possible solutions
 - (C) challenge a widely accepted point of view
 - (D) present a new theory and some ways of testing it
 - (E) explain the reasoning behind a discredited theory
- 17. In line 1, "work" most nearly means
 - (A) operate
 - (B) succeed
 - (C) strive
 - (D) produce
 - (E) influence
- 18. The statement between the dashes in line 8 ("if . . . believed") primarily serves to
 - (A) present a hypothesis
 - (B) explain an assertion
 - (C) qualify a statement
 - (D) reaffirm a historical account
 - (E) provide necessary evidence
- 19. The reference to a "long flight" (line 13) supports the idea that
 - (A) humans adjust to the natural rhythms around them
 - (B) humans should avoid unnecessary long-distance travel
 - (C) airplane flights are fatiguing for most people
 - (D) trans-Pacific flights take longer than trans-Atlantic flights
 - (E) not all people synchronize with the local time

- 20. The sentence in lines 34-35 ("This ... later") serves primarily to
 - (A) acknowledge the existence of a paradox
 - (B) support the validity of an observation
 - (C) describe the details of a finding
 - (D) challenge the results of an experiment
 - (E) emphasize the need for further research
- 21. Which of the following best expresses the "controversial question" referred to in line 36?
 - (A) Can the existence of human circadian rhythms be proved?
 - (B) How complex are human circadian rhythms?
 - (C) Has sufficient research been conducted on human circadian rhythms?
 - (D) Why do human circadian rhythms fluctuate so erratically?
 - (E) How independent of outside influences are human circadian rhythms?
- 22. The "French researcher" (line 46) probably chose the location he did primarily to
 - (A) eliminate any effects of the Sun
 - (B) enhance his ability to sleep soundly
 - (C) restrict his access to food and water
 - (D) ensure disruption to his internal clocks
 - (E) limit his communication with other humans

- 23. Based on the information in the passage as a whole, the "loss of time" would most likely be "cumulative" (lines 64-65) for a person who
 - (A) had an extremely irregular pulse rate
 - (B) slept just five hours a night on a regular basis
 - (C) fasted long enough to cause a reduction in deep-body temperature
 - (D) remained in a soundproof, lightproof isolation chamber for several weeks
 - (E) flew from New York City to Tokyo, then after several weeks flew back to New York
- 24. The tone of the passage is best described as
 - (A) argumentative
 - (B) pessimistic
 - (C) concerned and inquisitive
 - (D) playful and irreverent
 - (E) objective and instructive

STOP

If you finish before time is called, you may check your work on this section only. Do not turn to any other section in the test.



SECTION 6 Time — 25 minutes 35 Questions

Turn to Section 6 (page 6) of your answer sheet to answer the questions in this section.

Directions: For each question in this section, select the best answer from among the choices given and fill in the corresponding circle on the answer sheet.

The following sentences test correctness and effectiveness of expression. Part of each sentence or the entire sentence is underlined: beneath each sentence are five ways of phrasing the underlined material. Choice A repeats the original phrasing; the other four choices are different. If you think the original phrasing produces a better sentence than any of the alternatives, select choice A; if not, select one of the other choices.

In making your selection, follow the requirements of standard written English; that is, pay attention to grammar, choice of words, sentence construction, and punctuation. Your selection should result in the most effective sentence—clear and precise, without awkwardness or ambiguity.

EXAMPLE:

Laura Ingalls Wilder published her first book and she was sixty-five years old then.

(A) and she was sixty-five years old then

- (B) when she was sixty-five
- (C) at age sixty-five years old
- (D) upon the reaching of sixty-five years
- (E) at the time when she was sixty-five
- After she won a gold medal in figure skating at the 1956 Olympic Games, Tenley Albright attended medical <u>school and becoming</u> a surgeon.
 - (A) school and becoming
 - (B) school and became
 - (C) school, also became
 - (D) school, she became
 - (E) school; also becoming

- In his Star Wars films, director George Lucas is a contemporary mythmaker, plus being a master of special effects.
 - (A) Lucas is a contemporary mythmaker, plus being
 - (B) Lucas, a contemporary mythmaker, moreover
 - (C) Lucas is a contemporary mythmaker as well as
 (D) Lucas, who is a contemporary mythmaker and also
 - (E) Lucas is a contemporary mythmaker, he is also
- 3. Because of geothermal changes beneath Old Faithful, the frequency and duration of the geyser's <u>eruptions</u> are now more predictable.
 - (A) eruptions are now more predictable
 - (B) eruptions, they are now more predictable
 - (C) eruptions are predicted more easier now
 - (D) eruptions being easier to predict than before
 - (E) eruptions, they can now be predicted more easily
- 4. Founded in 1919, the <u>aim of the Bauhaus School was</u> to create a revolutionary modern style that would unite art and mass production.
 - (A) aim of the Bauhaus School was
 - (B) aim of the Bauhaus School having been
 - (C) Bauhaus School, whose aim was
 - (D) Bauhaus School aiming
 - (E) Bauhaus School aimed

CC CE;



- 5. Coleman Hawkins is often called the "father of the tenor <u>saxophone</u>" on account of he was the first to realize the instrument's expressive powers.
 - (A) saxophone" on account of he was
 - (B) saxophone" because he was
 - (C) saxophone" due to him being
 - (D) saxophone," which he was
 - (E) saxophone," he was
- The ship will not leave port until every one of the crew members <u>have been</u> examined by a physician and given a clean bill of health.
 - (A) have been
 - (B) has been
 - (C) had been
 - (D) are
 - (E) were
- 7. It appears that either Jane or Marek will be elected to be presidents of the student union.
 - (A) to be presidents
- (B) as presidents
- (C) presidents
- (D) for president
- (E) president
- Apparently honoring the actor's desire for a flattering biography, there is no mention by the author of any of the scandals in which her subject was involved.
 - (A) there is no mention by the author of any of the scandals in which her subject was involved
 - (B) none of the scandals in which her subject was involved is mentioned by the author
 - (C) none of the scandals in which her subject was involved are mentioned by the author
 - (D) the author does not mention any of the scandals in which her subject was involved
 - (E) the author mentions none of the scandals in which her subject were involved

_____N

- 9. <u>An odd friendship</u> in certain respects, she being an outdoor enthusiast and he a dedicated bookworm.
 - (A) An odd friendship
 - (B) As an odd friendship
 - (C) Their friendship being odd
 - (D) Theirs was an odd friendship
 - (E) Having a friendship that was somewhat odd
- 10. Each of the men who attended the meeting were suspected to be a spy.
 - (A) were suspected to be a spy
 - (B) were suspected to be spies
 - (C) were suspected of being spies
 - (D) was suspected of being spies
 - (E) was suspected of being a spy
- 11. The island of Madagascar, off the coast of Africa, is the habitat of more than 200,000 species of plants and <u>animals. many are not found anywhere</u> else on the planet.
 - (A) animals, many are not found anywhere
 - (B) animals; many, not found anywhere
 - (C) animals; of which many are not found anywhere
 - (D) animals, many found nowhere
 - (E) animals, finding many nowhere

The following sentences test your ability to recognize grammar and usage errors. Each sentence contains either a single error or no error at all. No sentence contains more than one error. The error, if there is one, is underlined and lettered. If the sentence contains an error, select the one underlined part that must be changed to make the sentence correct. If the sentence is correct, select choice E. In choosing answers, follow the requirements of standard written English.

EXAMPLE:

 $\begin{array}{c|c} \underline{\text{The other}} & \text{delegates and} & \underline{\text{him}} & \underline{\text{immediately}} \\ \hline A & B & C \\ \text{accepted the resolution drafted by the} \end{array}$

E

D

neutral states. No error

12. This film has earned A more money from ticket $\frac{12}{C}$

sales $\frac{\text{than have}}{D}$ its closest competitor for the

Best Documentary Feature Film Award. No error \overline{E}

13. Dr. Ling strongly encouraged each of $\frac{\text{each of}}{B}$ us $\frac{\text{contacting}}{C}$

our federal and state representatives and urge them

 $\frac{\text{to increase}}{D}$ funding for elementary school music

programs. $\frac{\text{No error}}{E}$

14. In the years $\frac{\text{following}}{A}$ the Second World War,

as millions of soldiers returned to civilian life,

the demand for housing $\frac{\text{will cause}}{C}$ a massive

 $\frac{expansion of}{D} \frac{suburbs.}{E}$

15. $\frac{\text{Because}}{A}$ $\frac{\text{they build nests on telephone poles}}{B}$

as readily as they do in trees, ospreys adapting $\frac{\text{adapting}}{D}$

well to various environments. $\frac{\text{No error}}{\text{E}}$

16. Whiptails, the more speedier of lizards, are $\frac{A}{A}$

remarkable $\frac{\text{creatures because}}{B}$ in thirteen

 $\frac{of the known}{C} \text{ species the females } \frac{reproduce without}{D}$

mating with males. $\frac{\text{No error}}{\text{E}}$

17. Scientists have discovered that walnut trees $\frac{\text{respond to}}{A}$ environmental stresses $\frac{\text{such as}}{B}$ drought $\frac{\text{by producing}}{C}$

significant $\frac{\text{amounts of}}{D}$ a substance similar to aspirin.

 $\frac{\text{No error}}{E}$

- 18. For our hike, my two companions $\frac{\text{and } I}{A} = \frac{\text{had chose}}{B}$
 - to walk along the Appalachian Trail, one of the $\overline{\mathbf{C}}$
 - oldest and best-loved hiking paths in the D
 - United States. No error E
- 19. When people see Lake Michigan for the first time, \overline{A}
 - $\frac{\text{heorshe}}{B} \xrightarrow{\text{may think}} \frac{\text{that it}}{C} \xrightarrow{\text{looks}} \frac{\text{more like}}{D}$
 - an ocean than a lake. $\frac{No error}{E}$
- 20. <u>Teeming with</u> hundreds of species of tropical fish, the <u>A</u>
 <u>clear</u> waters of the Caribbean Sea <u>provide</u> a paradise
 - $\frac{\text{for}}{D}$ scuba divers. $\frac{\text{No error}}{E}$
- 21. The museum's latest exhibition, $\frac{\text{featuring}}{A}$ the works
 - of several relatively young artists, have been $\frac{1}{C}$ praised
 - $\frac{\text{in reviews by}}{D} \quad \text{influential art critics.} \quad \frac{\text{No error}}{E}$

- 22. The proposed environmental legislation $\frac{\text{would devote}}{A}$
- billions of dollars in federal grants to conservation $\frac{\overline{B}}{\overline{C}}$
- activities such as acquiring new public lands,
- preserving coastal habitats, and to establish urban
- parks. $\frac{\text{No error}}{\text{E}}$
- 23. Though the island $\frac{\text{was formed by}}{A}$ volcanic action
- $\frac{\text{longago, volcanic activity still threatens}}{B}$ its inhabitants occasionally. No error E
- 24. Damselflies $\frac{closely}{A}$ resemble dragonflies $\frac{except that}{B}$ when at rest an adult damselfly holds its wings parallel
 - $\frac{\text{to the}}{C} \quad \text{body, while a dragonfly holds} \quad \frac{\text{theirs}}{D}$ perpendicular to the body. No error
- 25. Each girl $\frac{\text{in my class}}{A}$ $\frac{\text{wanted}}{B}$ to have a
 - quinceañera—an elaborate party with plenty of food

F

and dancing—to celebrate her fifteenth birthday. \overline{D}

No error E any part of this page is allegad

- 26. Experts who decipher ancient written languages \overline{A}
- report that the Indus civilization's script is B

 $\frac{\text{more difficult}}{C} \text{ to decode } \frac{\text{than other civilizations.}}{D}$

- $\frac{\text{No error}}{\text{E}}$
- 27. <u>Although both</u> birds are known for their distinctive A B songs, but the rufous songlark has a sweeter song
 - $\frac{\text{than has}}{D}$ the brown songlark. No error E
- 28. <u>Because</u> sound waves <u>travelfaster</u> in liquids A than they do in gases, the speed of sound in water
- is greater than $\frac{\text{that of sound}}{D}$ in the air. No error E
- 29. Mary Whiton Calkins was an imminent psychologist
 - and philosopher whose research focused on such $\frac{B}{C}$
 - topics as memory, consciousness, and dreams, \overline{D}
 - $\frac{\text{No error}}{E}$

C

Directions: The following passage is an early draft of an essay. Some parts of the passage need to be rewritten.

Read the passage and select the best answers for the questions that follow. Some questions are about particular sentences or parts of sentences and ask you to improve sentence structure or word choice. Other questions ask you to consider organization and development. In choosing answers, follow the requirements of standard written English.

Questions 30-35 refer to the following passage.

 (1) The word "dinosaur" is derived from two Greek words meaning "terrifying lizard." (2) This fact might therefore lead you to think that today's reptiles—including lizards—are descended from dinosaurs. (3) Modern reptiles are probably not directly related to the dinosaurs.
 (4) Instead, it is birds, not reptiles, that most scientists now think are the dinosaurs' true descendants. (5) Some even say that birds are dinosaurs—dinosaurs as they have evolved over millions of years. (6) That claim may sound incredible. (7) It is based on extensive fossil evidence.

(8) A definite evolutionary connection between birds and dinosaurs was first uncovered in 1861. (9) The fossil was the petrified remains of an animal that in many respects resembled a small, winged dinosaur. (10) There was, similarly, one astonishing difference between this fossil and any dinosaur fossil previously found. (11) The newly discovered animal's body was covered with fully developed feathers. (12) Scientists gave the creature the name Archaeopteryx, which means "ancient wing" in Greek, and declared it a transitional species between dinosaurs and birds. (13) Ancient Greek is a language that lends itself to forming logical compound words such as these.

(14) In the years since that discovery, scientists have unearthed other unique fossils.
(15) These fossils show that dinosaurs and birds share many common skeletal features.
(16) They reveal that several species of dinosaurs had what look like primitive feathers.
(17) They indicate that some dinosaurs brooded over their nests, much as chickens do.
(18) There is even fossil evidence that a few dinosaurs had four-chambered hearts.
(19) That means that they may have been warm-blooded—just like birds but unlike modern reptiles, which are all cold-blooded.



30. In context, which of the following would be best to place at the beginning of sentence 3 (reproduced below)?

Modern reptiles are probably not directly related to the dinosaurs.

- (A) In any case,
- (B) It is believed that
- (C) As it turns out, though,
- (D) They now say that
- (E) Moreover, it appears that
- 31. In context, which is the best way to revise and combine sentences 6 and 7 (reproduced below) ?

That claim may sound incredible. It is based on extensive fossil evidence.

- (A) As incredible as that claim may sound, it is based on extensive fossil evidence.
- (B) That claim may sound incredible, but he based it on extensive fossil evidence.
- (C) The claim is based on extensive fossil evidence, but they sound incredible to us.
- That claim sounds incredible; it will need to be (D) based on extensive fossil evidence.
- (E) Based on extensive fossil evidence, that claim may yet have sounded incredible.
- 32. In context, which of the following would be the most effective revision of the underlined portion of sentence 10 (reproduced below)?

There was, similarly, one astonishing difference between this fossil and any dinosaur fossil previously found.

- (A) obviously
- (B) however
- (C) they claimed
- (D) therefore
- (E) in retrospect

33. In context, which is the best way to deal with sentence 13 (reproduced below)?

Ancient Greek is a language that lends itself to forming logical compound words such as these.

- (A) Insert it immediately after sentence 1.
- (B) Delete it from the passage.
- (C) Change "is" to "was".(D) Change "lends" to "lent"
- (E) Change "these" to "Archaeopteryx"
- 34. In context, which of the following would be the most effective revision of the underlined portion of sentence 14 (reproduced below)?

In the years since that discovery, scientists have unearthed other unique fossils.

- (A) many others
- (B) many interesting fossils
- (C) more of these kinds of fossils
- other fossils that confirm the link between (D) dinosaurs and birds
- fossils that provide evidence disproving these early findings
- 35. Where in the passage would the following sentence best be inserted?

It was then that a worker in a German limestone quarry accidentally discovered an unusual fossil.

- (A) Immediately before sentence 5
- (B) Immediately before sentence 9
- (C) Immediately before sentence 11
- (D) Immediately before sentence 12
- (E) Immediately before sentence 15

STOP

If you finish before time is called, you may check your work on this section only. Do not turn to any other section in the test.



- have coordinates (2, 4), (5, 4), and (2, 1). What are the coordinates of the fourth vertex of the square?
 - (A) (0, 0)
 - (B) (1, 2)
 - (C) (4, 5)
 - (D) (5.1)
 - (E) (5.8)

represents the result?

(A) 8 - 5t (B) 5t - 8(C) 5(t-8)(D) 5(8-t)(E) 8(1-5)

GO ON TO THE NEXT PAGE

 3. If f is a function and f(3) = 5, which of the following CANNOT be the definition of f? (A) f(x) = x - 2 (B) f(x) = x + 2 (C) f(x) = 8 - x (D) f(x) = 2x - 1 (E) f(x) = 3x - 4 			 5. The measures of the angles of △ABC are a°, b°, and c°. If a + b = 110 and b + c = 105. what is the value of b? (A) 30 (B) 35 (C) 40 (D) 45 (E) 50
	NIOR POPULATI BY AGE AND GE Male	ON OF THE UNITED NDER IN 2050 Female	 6. If S is the set of prime numbers between 1 and 20 and T is the set of all positive multiples of 3 or 5, how many numbers appear in both S and T? (A) Five (B) Four (C) Three (D) Two (E) One
4. According to male population	an a	ve, in 2050 the	

- 7. If $a^2 2ab + b^2 = ab$, then which of the following is equivalent to $a^2 + b^2$?
 - (A) 3ab
 - (B) ab 23
 - 0 (C)
 - (D) -ab
 - (E) -3*ab*



- 8. The letters A, B, C, D, and E are to be arranged in the boxes above, one in each box, in the following way. A must be between C and D, B must be next to E, and C cannot be in the first or fifth positions. How many different arrangements of these letters are possible?
 - (A) One(B) Two(C) Four

(D) Six

(E) Eight



