

ESSAY

Time — 25 minutes

The essay gives you an opportunity to show how effectively you can develop and express ideas. You should, therefore, take care to develop your point of view, present your ideas logically and clearly, and use language precisely.

Your essay must be written on the lines provided on your answer sheet—you will receive no other paper on which to write. You will have enough space if you write on every line, avoid wide margins, and keep your handwriting to a reasonable size. Remember that people who are not familiar with your handwriting will read what you write. Try to write or print so that what you are writing is legible to those readers.

Important Reminders:

- **A pencil is required for the essay.** An essay written in ink will receive a score of zero.
- **Do not write your essay in your test book.** You will receive credit only for what you write on your answer sheet.
- **An off-topic essay will receive a score of zero.**
- **If your essay does not reflect your original and individual work, your scores for the entire test may be canceled.**
- **An electronic copy of your essay will be made available to each of your designated score recipients: colleges, universities, and scholarship programs.**

You have twenty-five minutes to write an essay on the topic assigned below.

Think carefully about the issue presented in the following excerpt and the assignment below.

Some politicians and educators advocate teaching values and character in schools. They claim that children need guidance to develop honesty, kindness, and trustworthiness and that schools should consider it their responsibility to foster these qualities just as they aim to foster academic skills. But good character simply cannot be taught in classrooms and through textbooks. Attempts to make values part of the curriculum will only take time and resources away from important academic subjects that can truly be imparted by teachers.

Assignment: Is it wrong to try to teach values and character in the classroom? Plan and write an essay in which you develop your point of view on this issue. Support your position with reasoning and examples taken from your reading, studies, experience, or observations.

BEGIN WRITING YOUR ESSAY ON PAGE 2 OF THE ANSWER SHEET.

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Every country ought to have a program in which all young people are required to commit a year or more of their lives to doing community service at the international, national, or local level. The benefits of this compulsory service—not just for society but for the young people themselves—would far outweigh the personal cost of having to postpone individual goals for a year or more.

Assignment: Should young people be required to commit a year or more of their lives to doing community service? Plan and write an essay in which you develop your point of view on this issue. Support your position with reasoning and examples taken from your reading, studies, experience, or observations.

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You have twenty-five minutes to write an essay on the topic assigned below.

Think carefully about the issue presented in the following excerpt and the assignment below.

We tend to think of envy—jealousy of others, whether for their good fortune, happiness, or success—as a bad thing. We are told from childhood that we should not be envious of others, that we should instead be happy for others' good fortune and grateful for what we have. But envy has an undeservedly bad reputation. In fact, envy may help motivate people to improve themselves or accomplish their goals.

Assignment: Is envy necessarily a bad thing? Plan and write an essay in which you develop your point of view on this issue. Support your position with reasoning and examples taken from your reading, studies, experience, or observations.

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Think carefully about the issue presented in the following excerpt and the assignment below.

Some people perceive uncertainty as a sign of weakness. To these people, not having a clear opinion on an issue is the same as having the wrong opinion. Other people, however, believe that uncertainty is essential to personal growth. It is only when we are unsure of what to think or what to do that we seek the help of others, develop our sense of judgment, and define who we are.

Assignment: Is uncertainty a sign of weakness, or is it essential to personal growth? Plan and write an essay in which you develop your point of view on this issue. Support your position with reasoning and examples taken from your reading, studies, experience, or observations.

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SECTION 2
Time — 25 minutes
18 Questions

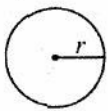
Turn to Section 2 (page 4) of your answer sheet to answer the questions in this section.

Directions: This section contains two types of questions. You have 25 minutes to complete both types. For questions 1-8, solve each problem and decide which is the best of the choices given. Fill in the corresponding circle on the answer sheet. You may use any available space for scratch work.

Notes

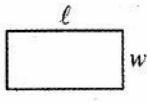
1. The use of a calculator is permitted.
2. All numbers used are real numbers.
3. Figures that accompany problems in this test are intended to provide information useful in solving the problems. They are drawn as accurately as possible EXCEPT when it is stated in a specific problem that the figure is not drawn to scale. All figures lie in a plane unless otherwise indicated.
4. Unless otherwise specified, the domain of any function f is assumed to be the set of all real numbers x for which $f(x)$ is a real number.

Reference Information

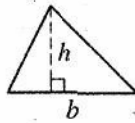


$$A = \pi r^2$$

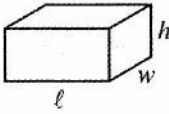
$$C = 2\pi r$$



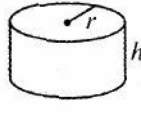
$$A = \ell w$$



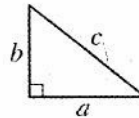
$$A = \frac{1}{2}bh$$



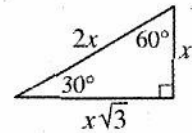
$$V = \ell wh$$



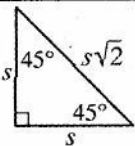
$$V = \pi r^2 h$$



$$c^2 = a^2 + b^2$$

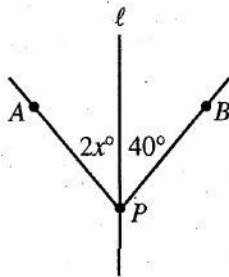


Special Right Triangles



The number of degrees of arc in a circle is 360.

The sum of the measures in degrees of the angles of a triangle is 180.



1. In the figure above, line ℓ bisects $\angle APB$. What is the value of x ?

- (A) 10
- (B) 15
- (C) 20
- (D) 25
- (E) 40

2. How many integers between 1 and 20 are divisible by all three of the integers 2, 3, and 5?

- (A) None
- (B) One
- (C) Two
- (D) Three
- (E) Four