

Practice Test A

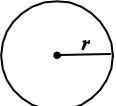
SECTION 1

Time – 20 Minutes 16 Questions	Solve each problem. Then decide which is the best answer choice and fill in the corresponding oval on the answer form.
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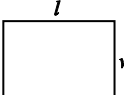
Notes:

- (1) Calculator use is permitted. All numbers are real numbers.
- (2) Figures that accompany problems are designed 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.
- (3) 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.

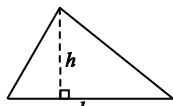
Reference Information



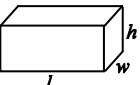
$A = \pi r^2$
 $C = 2\pi r$




$A = lw$




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



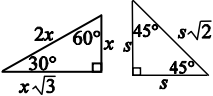
$V = lwh$



$V = \pi r^2 h$



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



Special Right Triangles

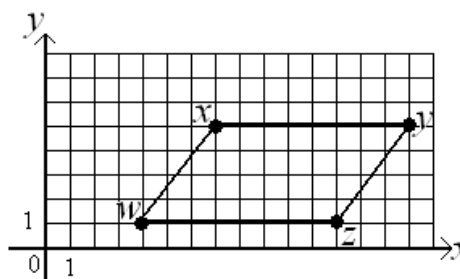
The number of degrees of arc in a circle is 360.
 The measure in degrees of a straight angle is 180.
 The sum of the measures in degrees of the angles of a triangle is 180.

1. $\sqrt{16+9+16+9+16+9+16+9} =$

- A. $\sqrt{10}$
- B. 9
- C. 10
- D. 16
- E. 25

2. The average (arithmetic mean) of 5 numbers is 21. Four of the numbers are 6, 7, 8, and 9. What is the fifth number?

- A. 6
- B. 27
- C. 30
- D. 75
- E. 135



3. In the above figure, what is the area of parallelogram $wxyz$?

- A. 40
- B. 32
- C. 26
- D. 16
- E. 12