

Algebra 1 Practice EOC Test

DIRECTIONS

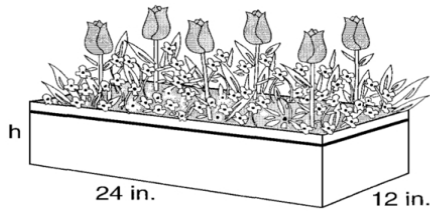
Read and solve each question. Then mark the space on the answer sheet for the best answer.

- 1 Which property justifies the following statement?

If $3a + 3b = 12$ then $3(a + b) = 12$

- A Commutative property of multiplication
- B Distributive property for multiplication over addition
- C Multiplicative identity property
- D Associative property of addition

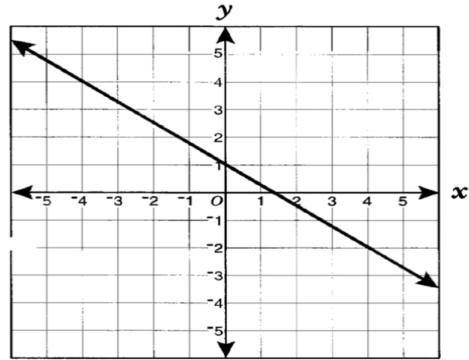
- 2 A rectangular planter can hold 2,304 cubic inches of soil. The dimensions of the base of the planter are 24 inches by 12 inches.



What is the height of the planter?

- F 4 inches
- G 8 inches
- H 16 inches
- J 192 inches

- 3 The graph of $y = -\frac{3}{4}x + 1$ is shown.



If the line in the graph is shifted up 2 units, which is the equation of the new line?

- A $y = \frac{3}{4}x + 3$
 - B $y = \frac{3}{4}x + 2$
 - C $y = -\frac{3}{4}x + 2$
 - D $y = -\frac{3}{4}x + 3$
- 4 What is the solution to $12 - \frac{1}{9}d = 17$?
- F $d = -243$
 - G $d = -45$
 - H $d = -3$
 - J $d = -\frac{5}{9}$