

## 1-9

## Standardized Test Prep

## Patterns, Equations, and Graphs

## Multiple Choice

For Exercises 1-5, choose the correct letter.

1. If  $x = -3$  and  $y = -5$ , what does  $3x - 2y$  equal?

A. -19      B. -1      C. 1      D. 19

2. Which ordered pair is a solution of  $y = 6x - 1$ ?

F.  $(-3, -17)$       G.  $(-1, 7)$       H.  $(1, 7)$       I.  $(3, 17)$

3. Which ordered pair is a solution of  $-x = y$ ?

A.  $(-1, -1)$       B.  $(1, -1)$       C.  $(1, 1)$       D.  $(-1, -2)$

4. Which equation represents the table shown?

- F.  $y = 8.5x$   
G.  $y = 8.5x + 12.50$   
H.  $y = 15x$   
I.  $y = 15x + 12.50$

Hours	Money (\$)
15	127.50
25	212.50
35	297.50

5. Sally is 3 years younger than Ralph. Which equation represents this relationship?

A.  $R = 3S$       B.  $R = S - 3$       C.  $S = R + 3$       D.  $S = R - 3$

## Extended Response

6. Justin earns \$19.50 per hour working as a store manager.

a. Use a table to represent this relationship.

b. Use an equation to represent this relationship.

c. Use a graph to represent this relationship.

d. What will Justin earn for working 40 hours?