# **Cumulative Review**

Chapters 1-4

#### Multiple Choice

For Exercises 1-8, choose the correct letter.

1. Which statement is equivalent to 4x - 6y + 8y - 6x - 12y?

A. 10x - 26y B. 12x - 18y C. -2x - 10y $D_{\nu} = 12\nu$ 

2. Jacob scored 5 points more than \$\frac{1}{2}\$ of Sarai's test score. Which equation

represents the relationship between Jacob's test score, J, and Sarai's test score, S7

$$E = \frac{4}{5}J + 5 = S$$

 $H. \frac{4}{5}J - 5 = S$ 

$$G \cdot \frac{4}{5}S + 5 = I$$

1. 
$$\frac{4}{5}S - 5 = J$$

3. The height of the flagpole, F, and the length of its shadow, S, are proportional to Harry's height, h, and the length of his shadow, l. Which proportion represents the relationship?

A.  $\frac{I}{h} = \frac{S}{h}$ 

c. 
$$\frac{F}{I} = \frac{S}{h}$$

B.  $\frac{S}{L} = \frac{I}{E}$ 

D. 
$$\frac{S}{P} = \frac{h}{I}$$

Which ordered pair is a solution of y = −6x − 7?

F. (0.5, -4)

$$G.(2,-19)$$

$$H. (-2, -5)$$

What is the value of 15 - (6<sup>2</sup> - 5<sup>2</sup>)?

A. -104

C. 74

Which values of x and y will make the expression 3(-2x - y)<sup>2</sup> equal to 3?

E. x = -2 and y = 1**G.** x = -2 and y = -3

H. 
$$x = -1$$
 and  $y = 3$   
L.  $x = -1$  and  $y = -3$ 

7. The sum of two consecutive integers is 153. Which equation can be used to find the first integer of

A. 2n + 1 = 153

$$C_{1} N + 1 = 153$$

B. 
$$2m = 153$$

D. 
$$2n + 2 = 153$$

8. Which property is illustrated by a(b + c) = ab + ac?

F. Associative Property of Addition

H. Commutative Property of Addition

G. Associative Property of Multiplication

1. Distributive Property

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