

Name \_\_\_\_\_

Circle the best answer.

1. Simplify.

$$\frac{15(-3)}{5 - (-10)}$$

- A. -9                      B. -3  
C. 3                         D. 9

6. Solve.

$$-31 < g + 2$$

- F.  $-33 > g$             G.  $-33 < g$   
H.  $-29 < g$             J.  $-29 > g$

2. Simplify.

$$2^2 + (-8) \div 4$$

- F. 0                         G. -1  
H. 2                         J. 6

7. Solve.

$$\frac{b}{-2} \geq -8$$

- A.  $b \geq 4$                 B.  $b \leq -4$   
C.  $b \geq 16$               D.  $b \leq 16$

3. Solve.

$$y - 20 = -60$$

- A.  $y = 80$   
B.  $y = 40$   
C.  $y = 3$   
D.  $y = -40$

8. Which number is equivalent to  $\frac{1}{5}$ ?

- F. 5  
G. 0.5  
H. 0.2  
J. 0.1

4. Solve.

$$\frac{m}{10} = -12$$

- F.  $m = -120$   
G.  $m = -2$   
H.  $m = -1.2$   
J.  $m = 120$

9. Simplify.

$$\frac{1}{3} \cdot 3^{-1}$$

- A. -1  
B.  $\frac{1}{9}$   
C.  $\frac{1}{6}$   
D. 1

5. Given  $A = \ell w$ , what is the area of a rectangle with a length of 12 feet and a width of 10 feet?

- A.  $2 \text{ ft}^2$   
B.  $44 \text{ ft}^2$   
C.  $120 \text{ ft}^2$   
D.  $1200 \text{ ft}^2$

10. Solve.

$$63 = 8x - 9$$

- F.  $x = 16.875$   
G.  $x = 9$   
H.  $x = 6.75$   
J.  $x = -9$

