

## The Distributive Property Bell Work

### Multiple Choice:

1. What is value of the expression  $3(-4 + 3)$ ?
  - A.  $4(3) + 4(3)$
  - B.  $3(-4) + 3(3)$
  - C.  $4(3) - 4(3)$
  - D.  $3(4) + 3(3)$
  
2. The expression  $2 + 3(2x - 5)$  can be simplified to:
  - A.  $6x - 13$
  - B.  $6x + 13$
  - C.  $6x - 17$
  - D.  $6x + 17$
  
3. The expression  $6(x + 3) - 2(4 - x)$  can be simplified to:
  - E.  $5x + 5$
  - F.  $8x + 10$
  - G.  $5x - 5$
  - H.  $8x + 1$
  
4. The expression  $5 + 3(2x - 6)$  can be simplified to:
  - I.  $6x + 23$
  - J.  $6x - 23$
  - K.  $6x - 13$
  - L.  $6x + 13$
  
5. What is simplified expression of  $4x - 2[7 - 5(2x - 3)]$ ?
  - M.  $24x + 16$
  - N.  $-16x + 16$
  - O.  $-16x - 44$
  - P.  $24x - 44$

Name: \_\_\_\_\_ Period: \_\_\_\_\_ Date: \_\_\_\_\_

## The Distributive Property Bell Work

Using the properties of real numbers, simplify the following expressions:

6.  $2 + 3(2x - 5)$

7.  $5(4r - 7t) - 2(10r + 3t)$

8.  $4 + 2(2a - 3)$

9.  $5a - 2[3 - 2(4a + 3)]$

10.  $5 - 3(4x - 2y)$

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Using the properties of real numbers, simplify the following expressions:

$$\begin{aligned} 6. \quad & 2 + 3(2x - 5) \\ & = 2 + 6x - 15 \\ & = 6x - 13 \end{aligned}$$

$$\begin{aligned} 7. \quad & 5(4r - 7t) - 2(10r + 3t) \\ & = 20r - 35t - 20r - 6t \\ & = -41t \end{aligned}$$

$$\begin{aligned} 8. \quad & 4 + 2(2a - 3) \\ & = 4 + 4a - 6 \\ & = 4a - 2 \end{aligned}$$

$$\begin{aligned} 9. \quad & 5a - 2[3 - 2(4a + 3)] \\ & = 5a - 2[3 - 8a - 6] \\ & = 5a - 2[-8a - 3] \\ & = 5a + 16a + 6 \\ & = 21a + 6 \end{aligned}$$

$$\begin{aligned} 10. \quad & 5 - 3(4x - 2y) \\ & = 5 - 12x + 6y \end{aligned}$$