

# Writing Equivalent Linear Expressions



**Directions:** Write two different expressions that are equivalent to each given expression.

1.  $4m + 16$   
\_\_\_\_\_  $16 + 4m$  \_\_\_\_\_  
\_\_\_\_\_  $4(m + 4)$  \_\_\_\_\_

2.  $6(5t - 3)$   
\_\_\_\_\_  $30t - 18$  \_\_\_\_\_  
\_\_\_\_\_  $-18 + 30t$  \_\_\_\_\_

3.  $2h + 7 - 12h$   
\_\_\_\_\_  $-10h + 7$  \_\_\_\_\_  
\_\_\_\_\_  $7 - 10h$  \_\_\_\_\_

4.  $-4c + 20d$   
\_\_\_\_\_  $20d - 4c$  \_\_\_\_\_  
\_\_\_\_\_  $4(-c + 5d)$  \_\_\_\_\_

5.  $7(3a + 2) - 8$   
\_\_\_\_\_  $21a + 14 - 8$  \_\_\_\_\_  
\_\_\_\_\_  $21a + 6$  \_\_\_\_\_

6.  $9 + 6y - 12 - 3y$   
\_\_\_\_\_  $-3 + 3y$  \_\_\_\_\_  
\_\_\_\_\_  $3(y - 1)$  \_\_\_\_\_

7.  $15q - 20r + 25$   
\_\_\_\_\_  $25 + 15q - 20r$  \_\_\_\_\_  
\_\_\_\_\_  $5(3q - 4r + 5)$  \_\_\_\_\_

8.  $18 - 4(3z + 1)$   
\_\_\_\_\_  $18 - 12z - 4$  \_\_\_\_\_  
\_\_\_\_\_  $14 - 12z$  \_\_\_\_\_

9.  $4n + 5(6n - 11)$   
\_\_\_\_\_  $4n + 30n - 55$  \_\_\_\_\_  
\_\_\_\_\_  $34n - 55$  \_\_\_\_\_

10.  $-3(4w + 9x)$   
\_\_\_\_\_  $-12w - 27x$  \_\_\_\_\_  
\_\_\_\_\_  $-27x - 12w$  \_\_\_\_\_

11.  $8(2j - k + 5)$   
\_\_\_\_\_  $16j - 8k + 40$  \_\_\_\_\_  
\_\_\_\_\_  $2(8j - 4k + 20)$  \_\_\_\_\_

12.  $3 + 5(p - 6) - 2p$   
\_\_\_\_\_  $3 + 5p - 30 - 2p$  \_\_\_\_\_  
\_\_\_\_\_  $-27 + 3p$  \_\_\_\_\_