

## Combining Like Terms

Simplify each expression. If it doesn't simplify, rewrite the expression as it was given.

1)  $2x + 6 + 5 + 6x$

2)  $x + 5 + 1 - 8x$

Answer: \_\_\_\_\_

Answer: \_\_\_\_\_

3)  $5n + 3.28n + 2$

4)  $1.7m - 8.1 + 8.2m + 3.5$

Answer: \_\_\_\_\_

Answer: \_\_\_\_\_

5)  $-w + 4 - 7w$

6)  $3x - 4y + 5 + 6y + 2x - 4$

Answer: \_\_\_\_\_

Answer: \_\_\_\_\_

7)  $12r - 7 - 3r + 2$

8)  $2a + 3b$

Answer: \_\_\_\_\_

Answer: \_\_\_\_\_

9)  $\frac{1}{7}m + \frac{3}{7}m$

10)  $\frac{1}{6} + \frac{3}{4}x - \frac{1}{6} + \frac{1}{4}x$

Answer: \_\_\_\_\_

Answer: \_\_\_\_\_

11)  $3x + x^2 + 3x^2 + 6x - 8$

12)  $12xy + 2x + 4y - 3xy$

Answer: \_\_\_\_\_

Answer: \_\_\_\_\_

13) Melissa thinks that  $3h + 7b$  is equal to  $10hb$ . Do you agree? \_\_\_\_\_ Explain. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

14)  $-2x + y - 3$

a) How many terms are in the expression? \_\_\_\_\_

b) What are the variables? \_\_\_\_\_

c) What are the coefficients? \_\_\_\_\_

d) What are the constants? \_\_\_\_\_

15) Rewrite the statement as an algebraic expression:

"Two less than a number" \_\_\_\_\_

16) Evaluate the expression with the given variable.

$-d + 5$  if  $d = -6$

Answer: \_\_\_\_\_