

## 06-Combining Like Terms and Distributive Property

Score \_\_\_\_\_ Per \_\_\_\_\_

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

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**Simplify each expression. If it is already simplified, rewrite the expression as it was given.**

2.  $2x + 6 + 5 + 6x =$  \_\_\_\_\_

3.  $x + 5 + 1 - 8x =$  \_\_\_\_\_

4.  $1.7m - 8.1 + 8.2m + 3.5 =$  \_\_\_\_\_

5.  $-w + 4 - 7w =$  \_\_\_\_\_

6.  $3x - 4y + 5 + 6y + 2x - 4 =$  \_\_\_\_\_

7.  $2a + 3b =$  \_\_\_\_\_

8.  $12xy + 2x + 4y - 3xy =$  \_\_\_\_\_

9.  $3x + x^2 + 3x^2 + 6x - 8 =$  \_\_\_\_\_

10.  $\frac{1}{6} + \frac{3}{4}x - \frac{1}{6} + \frac{1}{4}x =$  \_\_\_\_\_

11.  $7(x + 3) =$  \_\_\_\_\_

12.  $-(2.8m + 7.4) =$  \_\_\_\_\_

13.  $-5(1 - x) =$  \_\_\_\_\_

14.  $5n - 7(7n + 6) =$  \_\_\_\_\_

15.  $2 + 6(x + 9) =$  \_\_\_\_\_

16.  $-6 - (2r - 5) =$  \_\_\_\_\_

17.  $-10(3 + 6b) - 4 =$  \_\_\_\_\_

18.  $-8(-2n - 2) - 4(-10n - 3) =$  \_\_\_\_\_

19.  $-5(7 - 4x) - 9(7 + 5x) =$  \_\_\_\_\_