

NAME _____

DATE _____

COMBINE LIKE TERMS: Worksheet 3

Simplify by combining like terms.

1) $4x + 12x$

2) $18y + 2t - 9y$

3) $-3w + 5x + w + 2x$

4) $7f - 9g - 8 - 6g$

5) $11x - 6 - 12x + 2$

6) $6(x + 3) - 4x$

7) $5(x - 1) + 3(x + 6)$

8) $-9(y + 2) + 4(3y - 4)$

9) $7(t - 6) - 2(t - 2)$

10) $-3(z + 2) + 5(5z + 2)$

KEY

COMBINE LIKE TERMS: Worksheet 3

Simplify by combining like terms.

$$1) \quad 4x + 12x \qquad 4x + 12x = \\ 16x$$

$$2) \quad 18y + 2t - 9y \qquad 18y + 2t - 9y = \\ 9y + 2t$$

$$3) \quad -3w + 5x + w + 2x \qquad -3w + 5x + w + 2x = \\ -2w + 7x$$

$$4) \quad 7f - 9g - 8 - 6g \qquad 7f - 9g - 8 - 6g = \\ 7f - 15g - 8$$

$$5) \quad 11x - 6 - 12x + 2 \qquad 11x - 6 - 12x + 2 = \\ -x - 4$$

$$6) \quad 6(x + 3) - 4x \qquad 6(x + 3) - 4x = \\ 6x + 18 - 4x = \\ 2x + 18$$

$$7) \quad 5(x - 1) + 3(x + 6) \qquad 5(x - 1) + 3(x + 6) = \\ 5x - 5 + 3x + 18 = \\ 8x + 13$$

$$8) \quad -9(y + 2) + 4(3y - 4) \qquad -9(y + 2) + 4(3y - 4) = \\ -9y - 18 + 12y - 16 = \\ 3y - 34$$

$$9) \quad 7(t - 6) - 2(t - 2) \qquad 7(t - 6) - 2(t - 2) = \\ 7t - 42 - 2t + 4 = \\ 5t - 38$$

$$10) \quad -3(z + 2) + 5(5z + 2) \qquad -3(z + 2) + 5(5z + 2) = \\ -3z - 6 + 25z + 10 = \\ 22z + 4$$