

NAME _____

DATE _____

COMBINE LIKE TERMS: Worksheet 2

Simplify by combining like terms.

1) $6x + 17x$

2) $12y + 5t - 3y$

3) $-4w + 8x + w + 6x$

4) $10f - 12g + 2 - 2g$

5) $9x - 1 - 11x + 5$

6) $7(x + 8) - 3x$

7) $3(x - 5) + 4(x + 5)$

8) $-6(y + 3) + 2(4y - 2)$

9) $3(t - 1) - 7(t - 1)$

10) $-2(z + 4) + 5(2z + 3)$

KEY

COMBINE LIKE TERMS: Worksheet 2

Simplify by combining like terms.

$$1) \quad 6x + 17x \qquad 6x + 17x = \\ 23x$$

$$2) \quad 12y + 5t - 3y \qquad 12y + 5t - 3y = \\ 9y + 5t$$

$$3) \quad -4w + 8x + w + 6x \qquad -4w + 8x + w + 6x = \\ -3w + 14x$$

$$4) \quad 10f - 12g + 2 - 2g \qquad 10f - 12g + 2 - 2g = \\ 10f - 14g + 2$$

$$5) \quad 9x - 1 - 11x + 5 \qquad 9x - 1 - 11x + 5 = \\ -2x + 4$$

$$6) \quad 7(x + 8) - 3x \qquad 7(x + 8) - 3x = \\ 7x + 56 - 3x = \\ 4x + 56$$

$$7) \quad 3(x - 5) + 4(x + 5) \qquad 3(x - 5) + 4(x + 5) = \\ 3x - 15 + 4x + 20 = \\ 7x + 5$$

$$8) \quad -6(y + 3) + 2(4y - 2) \qquad -6(y + 3) + 2(4y - 2) = \\ -6y - 18 + 8y - 4 = \\ 2y - 22$$

$$9) \quad 3(t - 1) - 7(t - 1) \qquad 3(t - 1) - 7(t - 1) = \\ 3t - 3 - 7t + 7 = \\ -4t + 4$$

$$10) \quad -2(z + 4) + 5(2z + 3) \qquad -2(z + 4) + 5(2z + 3) = \\ -2z - 8 + 10z + 15 = \\ 8z + 7$$