

Name: _____

Date: _____

Distributive Property

Worksheet

Use the distributive property to simplify each expression

1) $3(x + 2)$

2) $4(y - 1)$

3) $5(2x + 1)$

4) $7(1 - b)$

5) $3(c + 4) - 2(c - 1)$

6) $5(2f - 4)$

7) $5(x + 5)$

8) $2(5 - d) + 3(2d + 1)$

9) $10x(x + 2)$

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Distributive Property

Worksheet Answer Key

Use the distributive property to simplify each expression

1) $3(x + 2)$

$$3 * x + 3 * 2$$
$$= 3x + 6$$

2) $4(y - 1)$

$$= 4 * y + 4 * (-1)$$
$$= 4y - 4$$

3) $5(2x + 1)$

$$= 5 * 2x + 5 * 1$$
$$= 10x + 5$$

4) $7(1 - b)$

$$= 7 * 1 - 7 * b$$
$$= 7 - 7b$$

5) $3(c + 4) -$

$$2(c - 1)$$
$$= 3 * c + 3 * 4 - 2 * c +$$
$$2 * 1$$
$$= 3c + 12 - 2c + 2$$
$$= c + 14$$

6) $5(2f - 4)$

$$= 5 * 2f - 5 * 4$$
$$= 10f - 20$$

7) $5(x + 5)$

$$= 5 * x + 5 * 5$$
$$= 5x + 25$$

8) $2(5 - d)$

$$= 10 - 2d$$

9) $10x(x + 2)$

$$= 10x^2 + 20$$