



Combining Like Terms with Distributive Property

Version 1

Name: _____

Date: _____

Score: _____

Direction: Simplify each expression by combining like terms. Apply the distributive property when appropriate.

1) $2x - 7y + 5x - 4y$

2) $-7x + 3 - 2y - 7 + 4x - y$

3) $-9x^2 + x - 2(4x^2 - x + 8)$

4) $-3(-2y + 4x - 1) + 3(x - y + 1)$

5) $-3x^2 + 3x - 2[-x^2 + 4x - 2(x + 1)]$



Name: _____ ANSWER KEY

Date: _____

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Direction: Simplify each expression by combining like terms. Apply the distributive property when appropriate.

1) $2x - 7y + 5x - 4y$

$$7x - 11y$$

2) $-7x + 3 - 2y - 7 + 4x - y$

$$-3x - 2y - 11$$

3) $-9x^2 + x - 2(4x^2 - x + 8)$

$$-17x^2 + 3x - 16$$

4) $-3(-2y + 4x - 1) + 3(x - y + 1)$

$$3y - 9x + 6$$

5) $-3x^2 + 3x - 2[-x^2 + 4x - 2(x + 1)]$

$$-x^2 - x + 4$$