

Full Name: _____ Date: _____

Combine Like Terms

- * Combining like terms is a process to _____ an expression by _____ or _____ like terms.
- * You can only combine like terms that have the same _____ raised to the same _____.
- * Process to combine like terms:
 - ❖ Step 1: Marking _____ with same colors or same shapes.
 - ❖ Step 2: Move _____ the like terms together. (Move the SIGN with the terms)
 - ❖ Step 3: Add or Subtract the _____ of the variables.

EXAMPLE 1: Simplify $2a + 3b - 4a$

Step 1:

Step 2:

Step 3: $(2 - 4)a + 3b = -2a + 3b$

EXAMPLE 2: Simplify $14m - 3n^2 - 2n^2 + 3m$

Step 1:

Step 2:

Step 3:

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DO NOW!

Simplify each expression.

$$(1) 7x - 6x$$

$$(2) 4 - 8h - 5$$

$$(3) 6 - 8k - 4k$$

$$(4) -5 + 8 + 9g - 6g$$

$$(5) 6 + 4p - 9p + 2$$

$$(6) y - 5y$$

$$(7) -4x - 10x$$

$$(8) -2x + 11 + 6x$$

$$(9) 11r - 12r$$

$$(10) n + 4 - 9 - 5n$$

$$(11) 12r + 5 + 3r - 5$$

$$(12) -1 - 14x^2 + 13x^2 + 9x^2$$

$$(13) 5x - 6y^5 - 14y^5 - 13x$$

$$(14) -3x + 14x^2 + 6x - 1 + 9x$$