

Today is a day for practicing what we know about combining like terms.

1. Write a definition for *like terms*.

2. Simplify each expression.

(a)  $-2x^2 + 5x - 4x^2$

(b)  $5x + 3y - 8x - y$

(c)  $-6x + 4y - 3 + 8x - 14y - 2$

(d)  $-2x + 5x - 3x$

(e)  $-5(3x - 4y)$

(f)  $-3x(5x + 2)$

$$\text{(g)} \quad 0.5(8x - 2y) - 3(2x - 6y)$$

$$\text{(h)} \quad -4(2x - 3) - (6x + 1)$$

$$\text{(i)} \quad 2x - 4(3x - 2y) - \frac{1}{2}(4x + 2y) + 3y$$

$$\text{(j)} \quad 0.5(10x - 2y) - 2(3x - 2y)$$