

Simplifying Expressions (Adding and Subtracting)

Like Terms - numbers that have the same variable and exponent attached

$-5x^2, 3x^2$

$8y, 4y$

$18x^2y, -3x^2y$

$7, -15$

Directions: Simplify each expression.

1. $16y - 3y$

2. $9 + n - 1 - 7n$

3. $8x - 5x + 5 - x - 2$

4. $(3a - 4b) + (-8a + 6b)$

5. $7x - (3 + 2x)$

6. $(-4x - 2y) - (3x + 2y)$

7. $(9 - 4x^2) - (-1 + 8x^2) + 4(7 - x^2)$

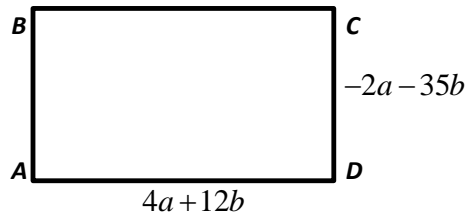
8. $(x - y) - (-x - y)$

9. $x - (2 - 3x) + 1$

10. $\left(\frac{x}{2} - 1\right) - \left(\frac{x}{3} + 2\right)$

Directions: Find the perimeter of each.

11. $ABCD$ is a rectangle



12.

