

Combining like Terms with addition, subtraction, and parentheses

Name: _____

Period: _____

Simplify each of the following algebraic expressions.

1. $y^2 + 6y - 3y^2 - 2 - y + 8$

2. $(5x^3 - x^2 + 4) + (1x^3 - 2x^2 + 7)$

3. $(x^2 - 4x - 3x) + (x^2 - 5 + 4x + 9)$

4. $(y - 18 + 2x + 2) + (-5x + 7 + x - 2y)$

5. $6x(x + 6)$

6. $2x - 11x^2 + 3 - x^2 + 4 - 3x + xy - 12$

7. $x - 2x^2 - 4y^2 + 12 - 2x^2 + -5 - 4x + y^2$

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

9. $y^3 + y - 1 - 4y^3 + 3y + 3 - 8 + 5x^2$

10. $-(4c^2 - c + 4 + 3c) + (5 + c^2 - 5c - 6)$