

Algebra I Worksheet #2 Unit 10 Selected Solutions

Perform the indicated operations. (Change subtraction to addition.)

$$4. \quad (4x^2 - x + 3) - (2x^2 - 5x - 8) = 2x^2 + 4x + 11$$
$$(4x^2 - x + 3) + (-2x^2 + 5x + 8)$$

$$8. \quad (x^2 - 4x + 1) - (3x^2 + 4x - 5) = -2x^2 - 8x + 6$$
$$(x^2 - 4x + 1) + (-3x^2 - 4x + 5)$$

$$12. \quad (2x^2 + 5xy - 7y^2) - (-2x^2 - 7xy - 4y^2) = 4x^2 + 12xy - 3y^2$$
$$(2x^2 + 5xy - 7y^2) + (2x^2 + 7xy + 4y^2)$$

$$14. \quad (5x^3 - 2x^2y + 5xy^2 - 3y^3) - (-3x^3 - 3x^2y - 5xy^2 + 7y^3) = 8x^3 + x^2y + 10xy^2 - 10y^3$$
$$(5x^3 - 2x^2y + 5xy^2 - 3y^3) + (3x^3 + 3x^2y + 5xy^2 - 7y^3)$$