

Subtracting Quadratic Expressions (J)

Simplify each expression.

$$1. (-4y^2 + y + 6) - (8y^2 - 6y)$$

$$2. (6x^2 - 9x - 4) - (-4x^2 - 3x + 7)$$

$$3. (9p^2 + p + 2) - (3p^2 + 5p + 3)$$

$$4. (-9f^2 - 8f) - (5f^2 - 8f - 7)$$

$$5. (-3z^2 - 6z - 4) - (8z^2 - z - 9)$$

$$6. (-7w^2 + 5w - 8) - (8w^2 - 8w - 8)$$

$$7. (8g^2 + 5g + 7) - (-8g^2 + 3g + 6)$$

$$8. (3x^2 - 4x + 2) - (7x^2 + 4x - 7)$$

$$9. (-5y^2 - 8y + 2) - (-7y^2 + 8y + 3)$$

$$10. (-6y^2 - 5y + 1) - (-7y^2 + 6y - 5)$$

Subtracting Quadratic Expressions (J) Answers

Simplify each expression.

$$1. (-4y^2 + y + 6) - (8y^2 - 6y)$$

$$\textcolor{red}{-12y^2 + 7y + 6}$$

$$2. (6x^2 - 9x - 4) - (-4x^2 - 3x + 7)$$

$$\textcolor{red}{10x^2 - 6x - 11}$$

$$3. (9p^2 + p + 2) - (3p^2 + 5p + 3)$$

$$\textcolor{red}{6p^2 - 4p - 1}$$

$$4. (-9f^2 - 8f) - (5f^2 - 8f - 7)$$

$$\textcolor{red}{-14f^2 + 7}$$

$$5. (-3z^2 - 6z - 4) - (8z^2 - z - 9)$$

$$\textcolor{red}{-11z^2 - 5z + 5}$$

$$6. (-7w^2 + 5w - 8) - (8w^2 - 8w - 8)$$

$$\textcolor{red}{-15w^2 + 13w}$$

$$7. (8g^2 + 5g + 7) - (-8g^2 + 3g + 6)$$

$$\textcolor{red}{16g^2 + 2g + 1}$$

$$8. (3x^2 - 4x + 2) - (7x^2 + 4x - 7)$$

$$\textcolor{red}{-4x^2 - 8x + 9}$$

$$9. (-5y^2 - 8y + 2) - (-7y^2 + 8y + 3)$$

$$\textcolor{red}{2y^2 - 16y - 1}$$

$$10. (-6y^2 - 5y + 1) - (-7y^2 + 6y - 5)$$

$$\textcolor{red}{y^2 - 11y + 6}$$