

Adding Quadratic Expressions (I)

Simplify each expression.

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

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

$$3. 8(-2w^2 - 6w + 4) + 7(-2w^2 + 3w + 9)$$

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

$$5. -(3q^2 + 5q + 2) + 8(5q^2 - 5q - 1)$$

$$6. (-4w^2 + 8w - 2) + (6w^2 + 6w - 6)$$

$$7. 6(2f^2 - f - 4) + (-f^2 + 2f + 4)$$

$$8. (-4q^2 - 7q - 2) + 8(4q^2 - 7q + 8)$$

$$9. (-3z^2 + 4z - 9) + (-6z^2 + 7z + 1)$$

$$10. 9(-p^2 + 4p - 7) + (-5p^2 - 7p + 6)$$

Adding Quadratic Expressions (I) Answers

Simplify each expression.

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

$$\textcolor{red}{-y^2 - 8y - 2}$$

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

$$\textcolor{red}{35v^2 + 51v - 35}$$

$$3. 8(-2w^2 - 6w + 4) + 7(-2w^2 + 3w + 9)$$

$$\textcolor{red}{-30w^2 - 27w + 95}$$

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

$$\textcolor{red}{-8x^2 + 35x - 80}$$

$$5. -(3q^2 + 5q + 2) + 8(5q^2 - 5q - 1)$$

$$\textcolor{red}{37q^2 - 45q - 10}$$

$$6. (-4w^2 + 8w - 2) + (6w^2 + 6w - 6)$$

$$\textcolor{red}{2w^2 + 14w - 8}$$

$$7. 6(2f^2 - f - 4) + (-f^2 + 2f + 4)$$

$$\textcolor{red}{11f^2 - 4f - 20}$$

$$8. (-4q^2 - 7q - 2) + 8(4q^2 - 7q + 8)$$

$$\textcolor{red}{28q^2 - 63q + 62}$$

$$9. (-3z^2 + 4z - 9) + (-6z^2 + 7z + 1)$$

$$\textcolor{red}{-9z^2 + 11z - 8}$$

$$10. 9(-p^2 + 4p - 7) + (-5p^2 - 7p + 6)$$

$$\textcolor{red}{-14p^2 + 29p - 57}$$