

Adding Quadratic Expressions (E)

Simplify each expression.

$$1. (8h^2 + 6h - 8) + (5h^2 - 3h - 7)$$

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

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

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

$$5. 6(2w^2 - 7w - 9) + (-7w^2 + w + 2)$$

$$6. -7(2z^2 + 5z + 8) + (9z^2 + 9z - 8)$$

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

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

$$9. 4(-5k^2 - k - 6) + 2(9k^2 - 2k - 1)$$

$$10. (-6q^2 + 3q + 8) + 7(9q + 5)$$

Adding Quadratic Expressions (E) Answers

Simplify each expression.

$$1. (8h^2 + 6h - 8) + (5h^2 - 3h - 7)$$

$$\textcolor{red}{13h^2 + 3h - 15}$$

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

$$\textcolor{red}{7n^2 - 36n - 1}$$

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

$$\textcolor{red}{-12z^2 - 9z - 3}$$

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

$$\textcolor{red}{d^2 + 16d - 9}$$

$$5. 6(2w^2 - 7w - 9) + (-7w^2 + w + 2)$$

$$\textcolor{red}{5w^2 - 41w - 52}$$

$$6. -7(2z^2 + 5z + 8) + (9z^2 + 9z - 8)$$

$$\textcolor{red}{-5z^2 - 26z - 64}$$

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

$$\textcolor{red}{3h^2 + 9h}$$

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

$$\textcolor{red}{8d^2 - 78d - 18}$$

$$9. 4(-5k^2 - k - 6) + 2(9k^2 - 2k - 1)$$

$$\textcolor{red}{-2k^2 - 8k - 26}$$

$$10. (-6q^2 + 3q + 8) + 7(9q + 5)$$

$$\textcolor{red}{-6q^2 + 66q + 43}$$