

Adding & Subtracting Quadratic Expressions (D)

Simplify each expression.

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

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

3. $(3p^2 + 5p - 9) + (5p^2 - 7p - 1)$

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

5. $(-k^2 - 7k - 4) + (-9k^2 + 7k + 9)$

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

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

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

9. $(9m^2 + m + 4) - (-8m^2 - 9m + 2)$

10. $(-2c^2 - c - 4) - (8c^2 - 8c + 2)$

Adding & Subtracting Quadratic Expressions (D) Answers

Simplify each expression.

1. $(2h^2 - 5h - 8) - (-2h^2 - 7h - 8)$
 $4h^2 + 2h$

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

3. $(3p^2 + 5p - 9) + (5p^2 - 7p - 1)$
 $8p^2 - 2p - 10$

4. $(-2z^2 - 5z + 6) + (3z^2 - 2z + 6)$
 $z^2 - 7z + 12$

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

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

7. $(q^2 - 3q + 4) - (9q^2 - 6q - 9)$
 $-8q^2 + 3q + 13$

8. $(9y^2 + 8y - 7) + (-7y^2 + y - 9)$
 $2y^2 + 9y - 16$

9. $(9m^2 + m + 4) - (-8m^2 - 9m + 2)$
 $17m^2 + 10m + 2$

10. $(-2c^2 - c - 4) - (8c^2 - 8c + 2)$
 $-10c^2 + 7c - 6$