

Adding & Subtracting Quadratic Expressions (E)

Simplify each expression.

1. $(4n^2 - 4n + 7) - (n^2 - 2n + 3)$

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

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

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

5. $(7f^2 - 5f + 6) - (-8f^2 + 4f + 4)$

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

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

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

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

10. $(-7y^2 + y - 3) - (-3y^2 - 6y - 4)$

Adding & Subtracting Quadratic Expressions (E) Answers

Simplify each expression.

1. $(4n^2 - 4n + 7) - (n^2 - 2n + 3)$
 $3n^2 - 2n + 4$

2. $(-z^2 + 8z + 4) + (-8z^2 + 6)$
 $-9z^2 + 8z + 10$

3. $(7q^2 + 2q - 6) + (9q^2 - 2q + 7)$
 $16q^2 + 1$

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

5. $(7f^2 - 5f + 6) - (-8f^2 + 4f + 4)$
 $15f^2 - 9f + 2$

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

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

8. $(-2v^2 + 6v - 3) - (2v^2 + 7v + 7)$
 $-4v^2 - v - 10$

9. $(-7t^2 - t + 8) - (t^2 + 2t - 9)$
 $-8t^2 - 3t + 17$

10. $(-7y^2 + y - 3) - (-3y^2 - 6y - 4)$
 $-4y^2 + 7y + 1$