

Adding & Subtracting Quadratic Expressions (F)

Simplify each expression.

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

2. $(6q^2 - 8q + 8) + (8q^2 + 3q + 3)$

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

4. $(6c^2 + 3c + 4) - (5c^2 + 9c - 5)$

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

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

7. $(8k^2 + 2k - 9) - (-9k^2 + 4k - 2)$

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

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

10. $(-3b^2 + 5b - 7) + (-9b^2 - 4b - 9)$

Adding & Subtracting Quadratic Expressions (F) Answers

Simplify each expression.

1. $(-5g^2 + 5g + 8) + (-4g^2 + 5g + 2)$
 $-9g^2 + 10g + 10$

2. $(6q^2 - 8q + 8) + (8q^2 + 3q + 3)$
 $14q^2 - 5q + 11$

3. $(6z^2 - 8z + 1) + (-7z^2 - 7z + 2)$
 $-z^2 - 15z + 3$

4. $(6c^2 + 3c + 4) - (5c^2 + 9c - 5)$
 $c^2 - 6c + 9$

5. $(-8t^2 - 4t - 6) - (-3t^2 - 2t - 5)$
 $-5t^2 - 2t - 1$

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

7. $(8k^2 + 2k - 9) - (-9k^2 + 4k - 2)$
 $17k^2 - 2k - 7$

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

9. $(2x^2 + 3x - 7) + (-4x^2 + 7x - 1)$
 $-2x^2 + 10x - 8$

10. $(-3b^2 + 5b - 7) + (-9b^2 - 4b - 9)$
 $-12b^2 + b - 16$