

Adding & Subtracting Quadratic Expressions (G)

Simplify each expression.

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

2. $(6x^2 - x - 6) - (4x^2 - 9x - 9)$

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

4. $(7c^2 + 4c + 8) + (5c^2 + 2c + 2)$

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

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

7. $(-7g^2 + 2g - 5) + (-3g^2 - 3g + 7)$

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

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

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

Adding & Subtracting Quadratic Expressions (G) Answers

Simplify each expression.

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

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

3. $(-5b^2 - 4b + 6) + (6b^2 + 9b - 5)$
 $b^2 + 5b + 1$

4. $(7c^2 + 4c + 8) + (5c^2 + 2c + 2)$
 $12c^2 + 6c + 10$

5. $(7d^2 + 4d + 7) + (3d^2 + 4d - 6)$
 $10d^2 + 8d + 1$

6. $(-6q^2 - 2q + 6) + (-4q^2 + 2q + 8)$
 $-10q^2 + 14$

7. $(-7g^2 + 2g - 5) + (-3g^2 - 3g + 7)$
 $-10g^2 - g + 2$

8. $(-6s^2 + 2s - 1) - (5s^2 + 6s - 3)$
 $-11s^2 - 4s + 2$

9. $(-4s^2 - 7s - 7) + (6s^2 - s + 1)$
 $2s^2 - 8s - 6$

10. $(2c^2 - 5c + 1) + (9c^2 + 8c - 5)$
 $11c^2 + 3c - 4$