

Adding Quadratic Expressions (G)

Simplify each expression.

1. $(7y^2 + 4y + 6) + (4y^2 - 9y - 5)$

2. $(-7k^2 - 2k - 9) + (6k^2 - 7k + 7)$

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

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

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

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

7. $(-x^2 - 9x + 4) + (5x^2 - 2x - 8)$

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

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

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

Adding Quadratic Expressions (G) Answers

Simplify each expression.

1. $(7y^2 + 4y + 6) + (4y^2 - 9y - 5)$
 $11y^2 - 5y + 1$

2. $(-7k^2 - 2k - 9) + (6k^2 - 7k + 7)$
 $-k^2 - 9k - 2$

3. $(-7q^2 + 9q + 8) + (-7q^2 - 6q + 8)$
 $-14q^2 + 3q + 16$

4. $(-7f^2 - 2f - 1) + (-6f^2 + 3f + 2)$
 $-13f^2 + f + 1$

5. $(a^2 + 3a + 7) + (-3a^2 - a + 7)$
 $-2a^2 + 2a + 14$

6. $(9s^2 + 6s + 2) + (-8s^2 + 5s + 6)$
 $s^2 + 11s + 8$

7. $(-x^2 - 9x + 4) + (5x^2 - 2x - 8)$
 $4x^2 - 11x - 4$

8. $(-2v^2 - 8v - 9) + (-9v^2 - 4v + 4)$
 $-11v^2 - 12v - 5$

9. $(-9k^2 - 3k - 6) + (-9k^2 - 5k - 2)$
 $-18k^2 - 8k - 8$

10. $(8z^2 - 7z - 6) + (z^2 - z + 2)$
 $9z^2 - 8z - 4$