

Adding & Subtracting Quadratic Expressions (A)

Simplify each expression.

1. $(-7g^2 + 6g - 8) - (5g^2 - 2g + 4)$

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

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

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

5. $(4p^2 + 2p + 9) + (-5p^2 - 5p - 2)$

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

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

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

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

10. $(4k^2 - 9k - 8) + (-3k^2 + 8k + 2)$

Adding & Subtracting Quadratic Expressions (A) Answers

Simplify each expression.

1. $(-7g^2 + 6g - 8) - (5g^2 - 2g + 4)$
 $-12g^2 + 8g - 12$

2. $(7b^2 + 3b + 7) + (3b^2 - 6b - 8)$
 $10b^2 - 3b - 1$

3. $(6k^2 - 3k + 8) - (-k^2 - 2k - 9)$
 $7k^2 - k + 17$

4. $(6v^2 - v - 1) + (-4v^2 - 9v + 9)$
 $2v^2 - 10v + 8$

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

6. $(-9f^2 - f - 7) + (6f^2 + f - 5)$
 $-3f^2 - 12$

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

8. $(-8c^2 - 9c + 9) + (-5c^2 - 8c - 6)$
 $-13c^2 - 17c + 3$

9. $(9r^2 - 5r - 7) + (8r^2 + 8r + 6)$
 $17r^2 + 3r - 1$

10. $(4k^2 - 9k - 8) + (-3k^2 + 8k + 2)$
 $k^2 - k - 6$