

Adding & Subtracting Quadratic Expressions (I)

Simplify each expression.

1. $(-4y^2 + 8y + 6) - (-4y^2 + 6y + 3)$

2. $(4t^2 - 3t - 4) + (-2t^2 + 4t - 6)$

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

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

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

6. $(-4t^2 - 6t + 2) - (2t^2 - 2t - 2)$

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

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

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

10. $(6f^2 - 5f - 1) + (-7f^2 + 9f - 6)$

Adding & Subtracting Quadratic Expressions (I) Answers

Simplify each expression.

1. $(-4y^2 + 8y + 6) - (-4y^2 + 6y + 3)$
 $2y + 3$

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

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

4. $(3d^2 + 9d - 6) - (-6d^2 - 3d - 6)$
 $9d^2 + 12d$

5. $(-3z^2 - 7z + 3) + (-9z^2 - 7z + 5)$
 $-12z^2 - 14z + 8$

6. $(-4t^2 - 6t + 2) - (2t^2 - 2t - 2)$
 $-6t^2 - 4t + 4$

7. $(4w^2 - 5w + 4) + (5w^2 + 5w - 3)$
 $9w^2 + 1$

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

9. $(-7v^2 - 8v - 1) - (4v^2 - 7v + 2)$
 $-11v^2 - v - 3$

10. $(6f^2 - 5f - 1) + (-7f^2 + 9f - 6)$
 $-f^2 + 4f - 7$