

Adding & Subtracting Quadratic Expressions (B)

Simplify each expression.

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

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

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

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

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

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

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

8. $(2q^2 + 8q + 5) - (-5q^2 + 8)$

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

10. $(9r^2 - 6r + 1) - (-6r^2 + 2r - 1)$

Adding & Subtracting Quadratic Expressions (B) Answers

Simplify each expression.

1. $(-3w^2 + 5w - 2) + (-9w^2 + 4w + 5)$
 $-12w^2 + 9w + 3$

2. $(9z^2 + 9z + 6) + (z^2 + 4z + 7)$
 $10z^2 + 13z + 13$

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

4. $(3q^2 + 6q - 2) - (-3q^2 - 8q + 2)$
 $6q^2 + 14q - 4$

5. $(-4z^2 + 4z + 7) - (-9z^2 + z - 7)$
 $5z^2 + 3z + 14$

6. $(6w^2 + 9w + 9) - (7w^2 + 6w + 5)$
 $-w^2 + 3w + 4$

7. $(5p^2 - 3p + 3) - (-3p^2 + 5p + 7)$
 $8p^2 - 8p - 4$

8. $(2q^2 + 8q + 5) - (-5q^2 + 8)$
 $7q^2 + 8q - 3$

9. $(-2t^2 - t - 2) - (8t^2 + 6t - 3)$
 $-10t^2 - 7t + 1$

10. $(9r^2 - 6r + 1) - (-6r^2 + 2r - 1)$
 $15r^2 - 8r + 2$