

Adding & Subtracting Quadratic Expressions (B)

Simplify each expression.

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

2. $-5(7v^2 - 2v + 6) - (-2v^2 + v + 7)$

3. $(3a^2 + 6a + 6) - (3a^2 - a + 7)$

4. $(-7g^2 - 9g + 6) + (-3g^2 + 3g - 8)$

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

6. $(-5b^2 - 8b - 7) + 5(9b^2 + b - 1)$

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

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

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

10. $-8(r^2 + 7r + 4) + (-4r^2 - r - 4)$

Adding & Subtracting Quadratic Expressions (B) Answers

Simplify each expression.

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

2. $-5(7v^2 - 2v + 6) - (-2v^2 + v + 7)$
 $-33v^2 + 9v - 37$

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

4. $(-7g^2 - 9g + 6) + (-3g^2 + 3g - 8)$
 $-10g^2 - 6g - 2$

5. $3(-9h^2 + 6h - 1) - (7h^2 - 3h + 8)$
 $-34h^2 + 21h - 11$

6. $(-5b^2 - 8b - 7) + 5(9b^2 + b - 1)$
 $40b^2 - 3b - 12$

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

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

9. $-6(5m^2 - 2m + 4) - (-7m^2 - 7m + 3)$
 $-23m^2 + 19m - 27$

10. $-8(r^2 + 7r + 4) + (-4r^2 - r - 4)$
 $-12r^2 - 57r - 36$