

# Adding & Subtracting Quadratic Expressions (J)

Simplify each expression.

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

2.  $(-2n^2 - 9n - 7) - (-3n^2 - n - 6)$

3.  $(-2a^2 + a - 9) - (-6a^2 + 2a + 1)$

4.  $(-4y^2 - 4y + 2) - (-5y^2 + 2y - 4)$

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

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

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

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

9.  $(-8s^2 + 5s - 1) + (2s^2 - 3s + 3)$

10.  $(-3h^2 + 3h - 9) + (-3h^2 + 6h - 9)$

# Adding & Subtracting Quadratic Expressions (J) Answers

Simplify each expression.

1.  $(8b^2 + 3b - 6) + (7b^2 - 5b - 1)$   
 $15b^2 - 2b - 7$

2.  $(-2n^2 - 9n - 7) - (-3n^2 - n - 6)$   
 $n^2 - 8n - 1$

3.  $(-2a^2 + a - 9) - (-6a^2 + 2a + 1)$   
 $4a^2 - a - 10$

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

5.  $(5w^2 + 3w - 2) + (5w^2 - 5w + 6)$   
 $10w^2 - 2w + 4$

6.  $(-5h^2 + 2h - 9) + (8h^2 + 2h + 6)$   
 $3h^2 + 4h - 3$

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

8.  $(-7m^2 + 2m + 1) + (4m^2 + 7m + 9)$   
 $-3m^2 + 9m + 10$

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

10.  $(-3h^2 + 3h - 9) + (-3h^2 + 6h - 9)$   
 $-6h^2 + 9h - 18$