

# Adding Quadratic Expressions (J)

Simplify each expression.

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

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

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

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

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

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

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

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

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

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

# Adding Quadratic Expressions (J) Answers

Simplify each expression.

1.  $6(9n^2 - 9n - 3) + 2(-9n^2 + 2n + 3)$   
 $36n^2 - 50n - 12$

2.  $(-7h^2 - 5h - 7) + 3(4h^2 + 5h + 1)$   
 $5h^2 + 10h - 4$

3.  $7(-3h^2 - 4h - 9) + 6(2h^2 + 2h + 3)$   
 $-9h^2 - 16h - 45$

4.  $8(4y^2 + 4y - 2) + 7(-9y^2 + 9y + 1)$   
 $-31y^2 + 95y - 9$

5.  $7(-3z^2 + 5z - 9) + 2(-4z^2 - 6z - 6)$   
 $-29z^2 + 23z - 75$

6.  $-(6g^2 - 4g - 2) + 5(-6g^2 - 4g - 7)$   
 $-36g^2 - 16g - 33$

7.  $4(2g^2 - 8g + 6) + 9(-g^2 + g - 9)$   
 $-g^2 - 23g - 57$

8.  $-9(9h^2 - 2h - 3) + 6(6h^2 - 8h - 5)$   
 $-45h^2 - 30h - 3$

9.  $(6a^2 - 8a + 1) + 8(-2a^2 - a + 4)$   
 $-10a^2 - 16a + 33$

10.  $7(-t^2 - 8t - 9) + 4(4t^2 - 6t + 2)$   
 $9t^2 - 80t - 55$