

# Adding Quadratic Expressions (H)

Simplify each expression.

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

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

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

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

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

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

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

8.  $(-4t^2 + 9t + 5) + (t^2 - 4t - 7)$

9.  $5(-3g^2 - 8g + 5) + (2g^2 + 7g - 7)$

10.  $(-5n^2 + 4n + 7) + (-4n^2 + 7n + 5)$