

# Adding & Subtracting Quadratic Expressions (G)

Simplify each expression.

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

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

3.  $(x^2 + 3x + 1) + (9x^2 + x + 1)$

4.  $(-f^2 - 8f) + 6(6f^2 + 8f - 2)$

5.  $2(-7x^2 + 8x + 1) + (-7x^2 - x - 7)$

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

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

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

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

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