

# Adding & Subtracting Quadratic Expressions (B)

Simplify each expression.

1.  $-3(5b^2 - 4b + 8) + 6(3b^2 + 8b - 3)$

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

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

4.  $-5(4a^2 - 3a + 1) + 7(-a^2 + 7a + 9)$

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

6.  $3(f^2 + f + 1) - 2(-f^2 + f - 2)$

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

8.  $2(3g^2 + 3g + 1) - 6(-4g^2 + 4g + 8)$

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

10.  $2(-5n^2 + 8n + 9) + 4(2n^2 + 7n - 5)$