

# Simplifying Quadratic Expressions (A)

Simplify each expression by combining like terms.

1.  $-7 + 4 - 5x - 7x^2 + 6x + 9x + 6x + 6x^2$

2.  $1 - 3a^2 + 8a + 4a - 6a + 9a^2 + 9 + 6a$

3.  $-5t^2 + 5t^2 - 6 - 8 - 5t + 8t + 2t^2 + 8t^2$

4.  $-r - 8r^2 + 6r + 6 + 3r^2 - 9r^2 + 9 - 8r^2$

5.  $5w^2 - 1 + 7w + 2w^2 + 5w^2 - w - 6w^2 - 8w$

6.  $-8 - 3 - 2p^2 + 2p^2 - 5p - 2 - 5p + 9p^2$

7.  $8j^2 - 2j + j^2 + 1 + 7 + 2j + 5j^2 + j$

8.  $-5k^2 - 7k^2 + 3k^2 - 3k^2 + 2k + 2k + 2k - 2k$

9.  $-8k^2 - 9 - 2k^2 + 6k + 9k^2 - k^2 - 3k - 7k$

10.  $3d^2 + 8 - 4d + 4d^2 + 7d^2 + 8d^2 + 2d^2 - 4d$