

# Simplifying Quadratic Expressions (A)

Simplify each expression by combining like terms.

1.  $-2w + 6w^2 + 3 - 6w^2 - 2 - w^2 - 7w^2$

2.  $-b + b + 6b^2 - 5b^2 + 3b + 3b^2 + 7b^2$

3.  $6 + 7z^2 + 2z - 3 - 8z^2 + 5z^2 - 6z^2$

4.  $-5m^2 + 7m + 9m^2 - 2m^2 + 9m^2 - 8m^2 - 6m$

5.  $-7b^2 + 9 - 5b^2 - 4b^2 - b^2 + 9 + 3b^2$

6.  $-7 - 6 + 7q^2 + 9q^2 - 2q^2 + 8q^2 + 2$

7.  $5z + 4 - 9z^2 - 4z^2 + 4 + 4z^2 + 4z^2$

8.  $9d^2 + 2 + 7d - 1 + 6 - 6d^2 + 9$

9.  $2s^2 + 6 + 6s - 8s + 4s^2 + 8 + 4s^2$

10.  $-7s^2 + 7s + 4s^2 + 5s + 5s^2 - 9s - 3s$