

# Simplifying Quadratic Expressions (I)

Simplify each expression by combining like terms.

1.  $8y^2 + y - 8y + 6y + 8y + 3 + 6y$

2.  $-5g + 3g + 1 + 4g - 5g + 4g^2 - 4g^2$

3.  $8z + 9z^2 + z^2 + 8 - 7 - 3z^2 + 1$

4.  $-7 + 6n^2 + 1 - 7 - 6n^2 + 3n + n^2$

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

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

7.  $-9m^2 - 3m^2 - 7m - 6m^2 + 6m^2 - 6 - 4m^2$

8.  $-9r + 9r + 1 - 5r^2 - 8r^2 + r^2 + 5r$

9.  $3w + 1 + 8 + 2w - 3w^2 + 9w - 5w^2$

10.  $1 + 5m + 6m^2 - 5m^2 + 7m^2 - 7m^2 + 7$