

**Solving Quadratic Equations by Factoring – Day 2**  
Unit 2C: Quadratic Functions – Working With Equations

**Solve the equation:**

1.  $x^2 - 36 = 0$

2.  $x^2 - 2x + 1 = 0$

3.  $9x^2 = -6x - 1$

4.  $-4 + 20x - 25x^2 = 0$

5.  $64 + 16x = -x^2$

6.  $x^2 = -8x - 16$

**Solve the equation:**

7.  $-32 = -x^2 - 4x$

8.  $x^2 - 24 = 10x$

9.  $2x + x^2 - 24 = 0$

10.  $-x^2 + 56 = -10x$

11.  $10x = -24 + x^2$

12.  $2x^2 + 5x = -2$