

**Solving Quadratic Equations by Factoring – Day 1**  
Unit 2C: Quadratic Functions – Working With Equations

**Solve the equation:**

1.  $x^2 + 15 = 16x$

2.  $48 - 26x = -x^2$

3.  $-x^2 - 7x = -30$

4.  $-22x - 48 + x^2 = 0$

5.  $x^2 - 51 - 7x = 5 + 3x$

6.  $3x^2 + 3 = -10x$

**Solve the equation:**

7.  $3x + 1 = -2x^2$

8.  $12x^2 - 3x = 9$

9.  $x - x^2 = -30$

10.  $15x^2 = 7x + 2$

11.  $4x - 4 = -15x^2$

12.  $2x^2 - 15 = -7x$