

**Solving Quadratic Equations by Factoring – Day 3**  
Unit 2C: Quadratic Functions – Working With Equations

**Solve the equation:**

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

2.  $-2 - 5x = -3x^2$

3.  $3x^2 - 5x = 2$

4.  $3x^2 + 3 = 10x$

5.  $6x^2 - 17x = -12$

6.  $3x^2 - 27 = 0$

**Solve the equation:**

7.  $0 = 25x^2 - 16$

8.  $x^2 + 4x + 4 = 0$

9.  $4x^2 + 1 = 4x$

10.  $40x + 25 = -16x^2$

11.  $9 - 6x + x^2 = 0$

12.  $6x^2 - 16 = -20x$