

# Solving Quadratic Equations (F)

Solve each equation for x

1.  $-x^2 + 3x + 14 = -14$

7.  $-x^2 - 13x - 5 = 31$

2.  $x^2 + 2x - 48 = 15$

8.  $2x^2 - 6x - 3 = 33$

3.  $4x^2 + 8x + 4 = 0$

9.  $x^2 - 6x - 3 = 4$

4.  $x^2 - 14x + 17 = -28$

10.  $-x^2 + 5x - 5 = 1$

5.  $-4x^2 + 8x + 9 = -12$

11.  $2x^2 + 2x - 8 = 16$

6.  $4x^2 + 4x + 1 = 0$

12.  $4x^2 - 22x + 7 = -21$