

# 4.6 Quadratic Formula Practice

**Directions:** Solve each equation by the quadratic formula.

1.  $x^2 + 12x - 8 = 0$

$$x = -6 \pm 2\sqrt{11}$$

2.  $-x^2 + 5x - 6 = 2$

$$x = \frac{5}{2} \pm \frac{\sqrt{7}}{2}i$$

3.  $7x^2 - 10x + 9 = 5 - 2x$

$$x = \frac{4}{7} \pm \frac{2\sqrt{3}}{7}i$$

4.  $-12x^2 + 21 = 0$

$$x = \pm \frac{\sqrt{7}}{2}$$