

$$Ax^2 + Bx + C = 0$$

$$\frac{-B \pm \sqrt{B^2 - 4AC}}{2A}$$

9-8

Quadratic Formula.  
You should memorize this.

$$4x^2 + 5x \boxed{-6} = 0$$

16

$$\frac{-5 \pm \sqrt{25 - 4 \cdot 4 \cdot -6}}{2 \cdot 4} = \frac{-5 \pm \sqrt{121}}{8}$$

$$\frac{-5 \pm \sqrt{25 + 96}}{2 \cdot 4}$$

$$\frac{-5 + 11}{8} = \frac{6}{8}$$

$$\frac{-5 - 11}{8} = \frac{-16}{8}$$

$$\frac{6}{8}$$

$$\frac{-5 + \sqrt{121}}{8}$$