Ways to Solve a Quadratic

$$ax^2 + bx + c = 0$$

Factoring

- Write it as $(x + p)(x + q) = 0$
- Set each factor $= 0$

Square Roots

- When there is **no x term**
- $x^2 = 25 \rightarrow x = \pm 5$

Quadratic Formula

- $x = (-b \pm \sqrt{(b^2 - 4ac)}) \div 2a$
- Works **every** time

Graphing

- Solutions are where the parabola **crosses** the x-axis