

Unit 2:

Solving Quadratic Equations

Prerequisite Skills

Solve the following equation:

$$x^2 = 25$$

$x = 5$ and $x = -5$ or you could just write $x = \pm 5$

When solving quadratic equations, there are two solutions.

- Isolate the quadratic term.
- Take the square root of both sides of the equation
- Remember that you will have two solutions (\pm)

Solve each equation.

1. $5x^2 - 19 = 231$

2. $7x^2 + 3 = 31$

3. $(x - 2)^2 = 49$

4. $2(x + 3)^2 = 40$