

Solving by using the Quadratic Formula

Given $ax^2 + bx + c = 0$ you can solve any equation with the quadratic formula:

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a} \text{ where } a \neq 0, b^2 - 4ac \geq 0$$

Ex1. $3x^2 + 5x - 8 = 0$

Ex2. $2x^2 - x - 7 = 0$

Ex3. $x^2 + 6x = 5$

Ex4. $4z^2 = 7z + 2$

Ex5. $5m^2 + 4 = m + 6$

Homework: