

Check $x = -\sqrt{5}$

$$x^2 - 5 = 0$$

$$(-\sqrt{5})^2 - 5 = 0$$

$$5 - 5 = 0$$

$$0 = 0 \quad \checkmark$$

Check $x = \sqrt{5}$

$$x^2 - 5 = 0$$

$$(\sqrt{5})^2 - 5 = 0$$

$$5 - 5 = 0$$

$$0 = 0 \quad \checkmark$$