Name _____   Date _____

The Fundamental Theorem of Algebra- Step-by-Step Lesson

Lesson 1 Algebra Problem:

What are the roots of $x^2 - 25$?

Explanation:

We can see that there will be 2 roots because $x^2 - 25$ has a degree of 2. This is indicated by the square:

$x^{②} - 25$

We want it to be equal to zero, so for solving it :

$$x^2 - 25 = 0$$

First we will move the -25 to the other side:

$$x^2 = 25$$

Then we will take the square root of both sides:

$$x = \pm 5$$

So, the roots are -5 and +5.