Math 9 *Name:* _____

1.0 – Perfect Squares and Square Roots *Date:* _____

1. How many different ways can you represent "3^2" ?

2. What is a **Perfect Square Number**? Is it always a Whole Number?

A number is a Perfect Square if:

I.

II.

3. What is the **Square Root** of a number?

$\sqrt{49} =$ because…

$\sqrt{100} =$ because…

$\sqrt{31.36} =$ because…

$\sqrt{0.64} =$ because…

$\sqrt{\frac{1}{9}} =$ because…

$\sqrt{\frac{25}{81}} =$ because…

4. Explain the difference between the "**SQUARE of 10**" and the "**SQUARE ROOT of 10**".