Name: _____   Date: _____

Learning Goal 4.1	Identify and order irrational numbers.

Recall your Perfect Squares and Perfect Cubes

	x^2	x^3	x^4
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			

Note: Every value is an _____.

Invert!

$$\sqrt[n]{x}$$

	$\sqrt{x}$	$\sqrt[3]{x}$	$\sqrt[4]{x}$
1	1	1	1
2			
3			
4	2		
5			
6			
7			
8		2	
9	3		
10			
11			
12			
13			
14			
15			
16	4		2

The table is much more sparse. With a partner, try to determine a method to estimate the empty cells in the table **without a calculator** to at least one decimal place.

After you've tested your hypothesis on **at least 4 from each column**, check your work with a calculator.

- Is it working? If so, continue. If not,
- Call Ms. Langille over to talk about your strategy. Then revise! Try again!