Name: _____ Date: ____

Learning Goal 4.1 Identify and order irrational numbers.

A square root represents:

Many square roots result in ______, but we should not be too quick to judge! Especially without a calculator ...

Example Consider the relationship between the following 4 numbers:

400

40

4

0.4

0.04

How many of these numbers have rational square roots? How many have irrational square roots? Why?

Example Try again!

90

9

0.9

0.09

0.009

0.0009

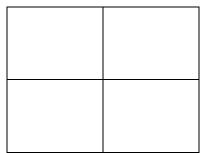
How many of these numbers have rational square roots? How many have irrational square roots? Why?

Invert!

Example For each number below, write an equivalent form as the table specifies.

	As a square root	As a cube root	As a fourth root
5 =			
0.5 =			
50 =			

Consider the numbers that have been given to you within your table group



- 1. Decide who among you has an irrational number
- 2. Place your 4 numbers in order from smallest to biggest on the number line below