Name:			

Date:	

Unit 10 Quiz: Number Systems

Period:

## Number Systems

Identify each of the following as either rational or irrational using "**R**" or "**I**".

- - 9)  $\{-1,-\frac{2}{3},-\frac{1}{3}, 0, \frac{1}{3}, \frac{2}{3}, 1, ...\}$
  - 10) {...-3, -2, -1, 0, 1, 2, 3...}
  - 11) Place each of the following numbers in proper order on the number line. Be sure to label the number line appropriately.

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12) Order the following numbers from **greatest** to **least**. (*use of number line is optional*)



Between which 2 whole numbers are the following square roots?

15)  $\sqrt{51}$  16)  $\sqrt{134}$ 

Round the following square root to the nearest tenth.

17)  $\sqrt{95}$ 

Determine whether the following fractions can be converted to a finite or infinite decimal.

18) 
$$\frac{9}{54}$$
 19)  $\frac{21}{125}$ 

Round each number to the nearest whole number, tenths and hundredths place.

	Whole #	Tenths	Hundredths
20) 38.284			