Math 9 Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Type of Numbers – Assignment**

1. Label the following numbers on the number line and indicate whether they are Natural, Whole, Rational, Irrational, Real Numbers or Integers? Write your answers on the number line and the lines which complete the sentences above the number lines.
2. Numbers: -3, 5, 1, -5 and 0 are \_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. Numbers: 0, 1, 8, 13 are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ numbers
4. Numbers: -1.5, 0, -√25, 4, √9 are \_\_\_\_\_\_\_\_\_\_\_\_\_\_ numbers
5. Numbers: √3, √11, √23, -√17 are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ numbers
6. Classify these numbers as rational or irrational and **explain**why you think that (give your reason).

a. 7329

b. √4

c. 0.95832758941…

d. 0.5287593593593

1. Give an example of a number that would satisfy these rules:

a) a number that is: real, rational, whole, an integer, and natural \_\_\_\_\_\_

1. a number that is: real and irrational \_\_\_\_\_\_
2. a number that is: real, rational, and integer \_\_\_\_\_\_
3. Classify each number as: real, rational, irrational, whole, natural, and integer. Give your reason – **explain**

a. 3/4 b. -12/4 c. 0.345 345 345 d. -0. 6473490424

1. Give 2 examples of rational numbers that fit between the following sets of numbers:

a. -0.56 and -0.65 b. -5.76 and -5.77 c. 3.64 and 3.46

Example: Example: Example:

1. Which two numbers are irrational? How do you know? **Explain**

a. 8 - √56 b. 8 - √25 c. 2 - √73

1. Place the following numbers in the Venn diagram. Note that some numbers may not fit in the diagram

-0.462

-56

735

0.326

8321

0

√25

17

√31

Integers Whole Numbers

