Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Per:\_\_\_\_

Number Line Activity

The Real Number System

Venn Diagram: Please complete the following Venn diagram for our number system. Label each part of the diagram.

Real Numbers

Describe each number type

Real: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Irrational:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Rational:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Integers:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Whole numbers:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Natural Numbers:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Classify each of the following numbers: Circle all that apply.

3 Real Irrational Rational Integer Whole Natural

-3 Real Irrational Rational Integer Whole Natural

$3.\overbar{33}$ Real Irrational Rational Integer Whole Natural

$\frac{1}{2}$ Real Irrational Rational Integer Whole Natural

$\sqrt{7}$ Real Irrational Rational Integer Whole Natural

$π$ Real Irrational Rational Integer Whole Natural

$\sqrt{25}$ Real Irrational Rational Integer Whole Natural

$\frac{9}{3}$ Real Irrational Rational Integer Whole Natural

$\sqrt{\frac{16}{4}}$ Real Irrational Rational Integer Whole Natural

$4^{3}$ Real Irrational Rational Integer Whole Natural

$e$ Real Irrational Rational Integer Whole Natural