

Assignment 01

Real Numbers

What is the major difference and give an example of each.

Natural numbers

Whole numbers

Integers

Rational numbers

Irrational numbers

Real numbers

Sets

Provide an example of what a union versus an intersection is.

$A=\{1,2,3\}$ $B=\{4,5,6\}$ $C=\{1,3,5\}$	$A \cup B \cup C =$ $A \cup B =$ $A \cup C =$ $A \cap C =$

Interval Notation

If asked to write in interval notation negative to positive infinity how would this be written and why.

On a number line I want to draw the following, for all values of x ; -3 is included to $+3$ is not included.

Draw on the number line $4 \geq x > -4$