

R1.1

Real Numbers

Absolute Value

Real Numbers

$\{2, 4, 6, 8\}$

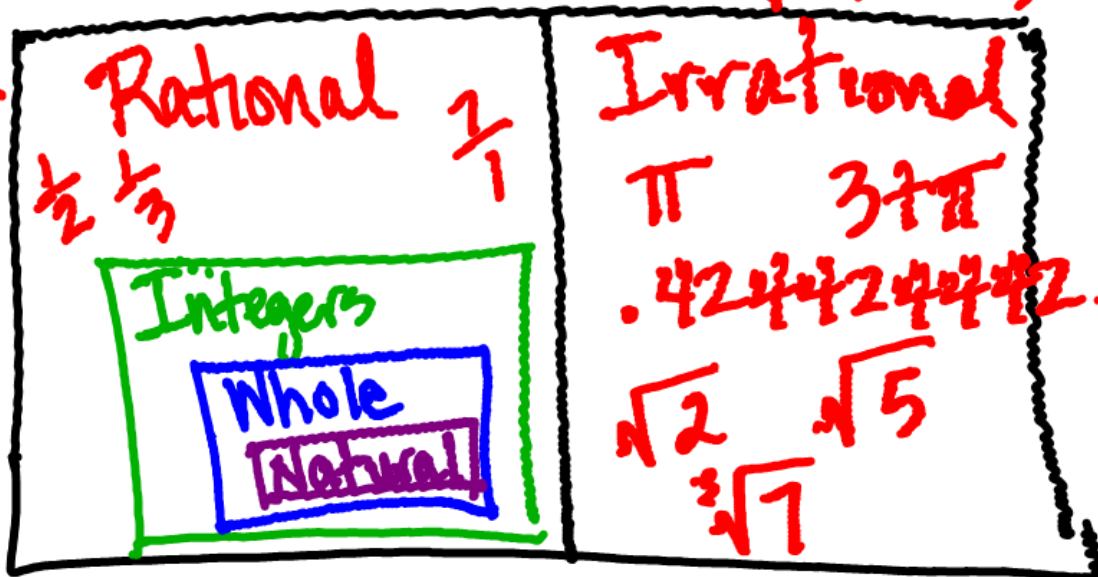
Set
Notation

\mathbb{R}

Real

Will not
Repeat Will not
Stop

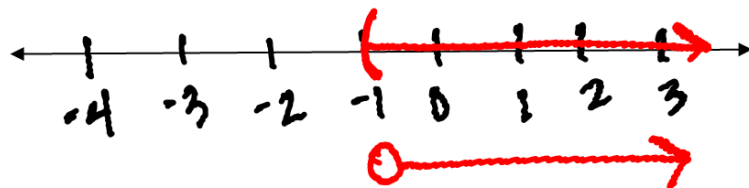
Stop
Repeat.



$\dots -3, -2, -1, 0, 1, 2, 3, \dots$

$0, 1, 2, 3, \dots$

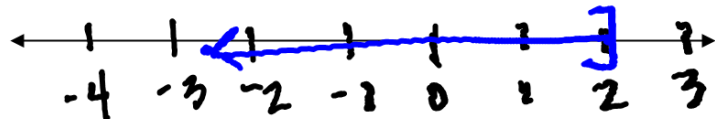
$1, 2, 3, \dots$



$$x > -1$$



$$x \geq -1$$



$$x \leq 2$$



$$-3 < x \leq 1$$

$$(-3, 1]$$

Absolute Value

$$|3| = 3$$

$$|-3| = 3$$



$$x \leq 8$$

x is no more than 8

$$x < 6$$

x is less than 6

$$x \geq 9$$

x is at least 9

12.

$$|a - b| \leq 500$$

$$|a - b| \leq .05 b$$