

Bathroom breaks are to be  
taken before class!!

Do **NOT** move the desk!!

Turn your phone **OFF**!!

Put your phone up!!

Sit down!! Be quiet!!

Prepare to work!!

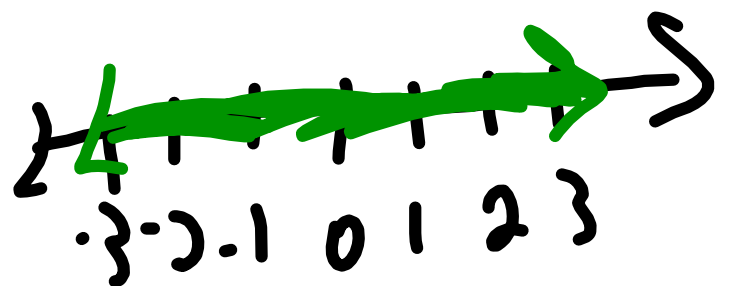
**Keep your hands to yourself!!**

## Review for semester test

$$\begin{array}{r} 38) \quad 5k - 7 \geq 5k + 8 \\ \quad -5k \quad \quad -5k \\ \hline \quad \quad -7 \geq 8 \end{array}$$

False. NO sol

$$\begin{array}{l} 46) \quad 4k - 6 < 2k + k - 1 \\ \quad \quad 4k - 6 < 4k - 1 \\ \quad \quad -6 < -1 \\ \text{True. All real #'s} \end{array}$$



$$49) \quad -1 < x < 5$$

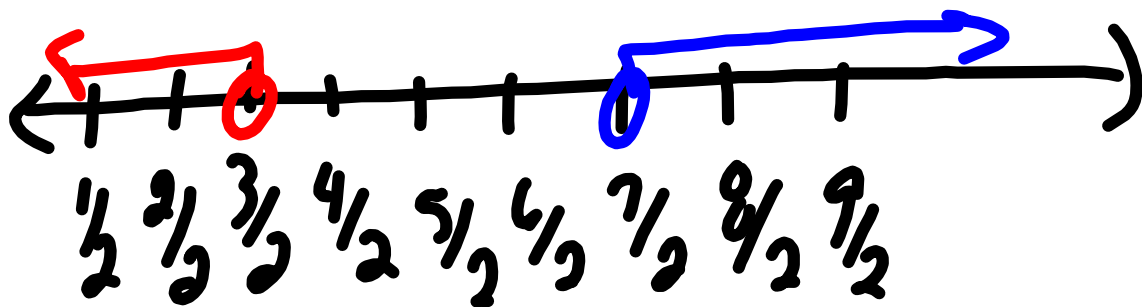
5b)  $5 + 2y < 8$  or  $2y > 2y + 7$

$2y < 3$

$y < \frac{3}{2}$

$2y > 7$

$y > \frac{7}{2}$



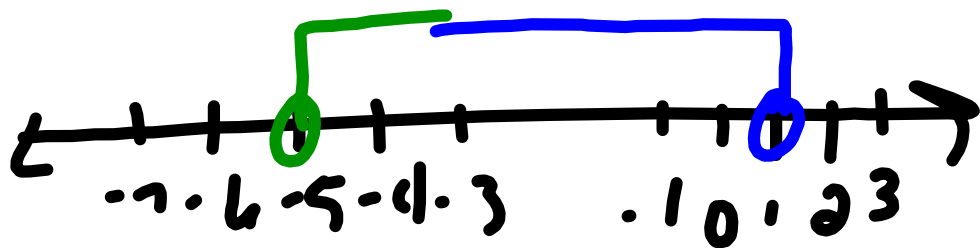
$$59) \quad \underline{7 < 12 + c < 13}$$

$$7 < 12 + c$$

$$-5 < c$$

$$12 + c < 13$$

$$c < 1$$



$$(2) \quad \underline{3x + 15} < \underline{6}$$

$$3x + 15 < 6$$

$$3x < -9$$

$$x < -3$$

$$3x + 15 > -6$$

$$3x > -21$$

$$x > -7$$

$$63) \quad \begin{array}{r} 2 - |x + 8| \geq 5 \\ -3 \qquad \qquad \qquad -3 \end{array}$$

---

$$\begin{array}{r} -|x + 8| \geq 2 \\ \hline -1 \qquad \qquad \qquad -1 \end{array}$$

$$|x + 8| \leq -2$$

NO Sol

$$67) \quad \frac{2xy}{2x} = \frac{-8}{2x}$$

$$y = \frac{-8}{2x}$$

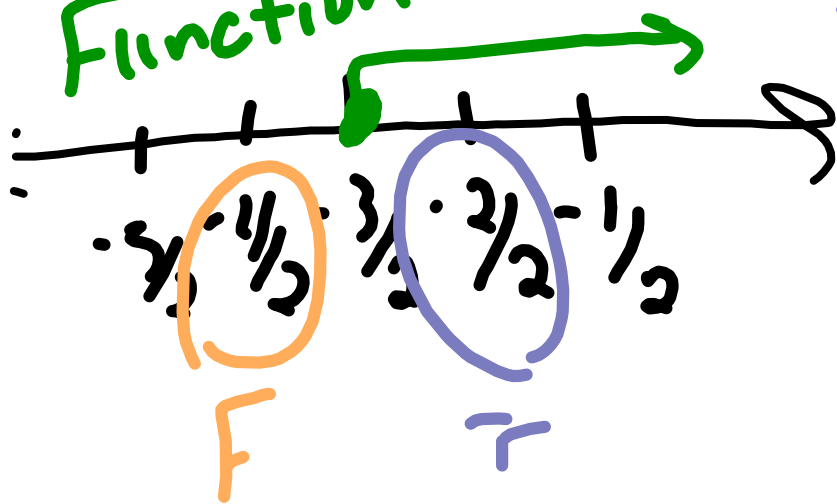
Not a function

$$b) \quad y = \sqrt{2x + 3}$$

$$2x + 3 = 0$$

$$\left\{ x \mid x \geq -\frac{3}{2} \right\} \quad x = -\frac{3}{2}$$

Function



$$2(-1) + 3$$
$$-2 + 3$$
$$1$$

$$2(-2) + 3$$
$$-4 + 3$$
$$-1$$



70)  $x + 13 = 5$

Domain  $\{x \mid x = -8\}$

Not a function

$y = 3$

function

