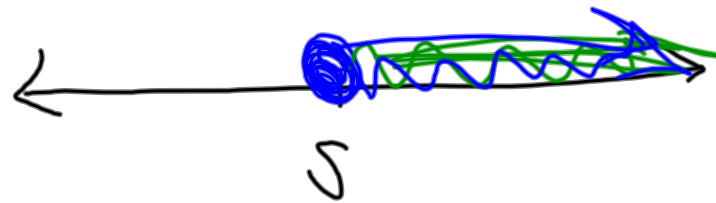


## 1.6 Solve Linear Inequalities pg 41

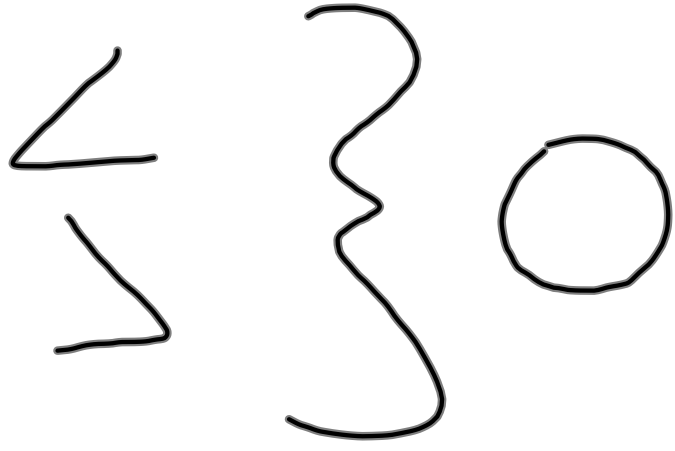
Ex 1:

a)  $x \geq 5$



b)  $-2 \leq x$



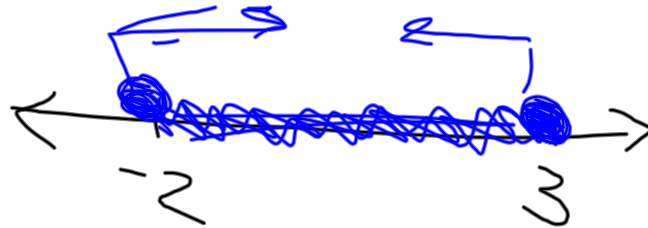


X 1/2 3

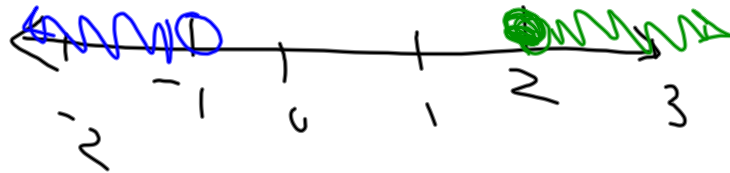


Compound Inequal.

$$-2 \leq x \leq 3$$



$$x < -1 \text{ or } x \geq 2$$



and  $-1 < x < 1$

or

~~and~~

and or

$$4x + 3 > 6x - 5$$

$-4x$                        $-4x$

$$3 > 2x - 5$$

$+5$                        $+5$

$$8 > 2x$$

$$4 > x$$



$$-10 < 3x < \infty$$

*(Note: The original image has a blue scribble over the middle part, and the numbers -10 and ∞ have blue 's' underneath them.)*

$$-1 < 3x < 3$$

*(Note: The original image has blue 's' underneath the numbers -1 and 3.)*

$$-1 < x < 1$$



$$5x + 2 > 7x - 4$$

$$-2x + 2 > -4$$

$$-2x > -6$$

$$x < 3$$



Homework:

pg 44/ 4-50 evens