

Name: _____

Hour: _____

Solving and Graphing Inequalities Notes

Inequality Symbols			
<	>	≤	≥

Write in symbols.

Your quiz score is 92%.

The most it will cost is \$30.

Your age is less than 19 years.

You can have at least 3 of my Skittles.

What's the difference between solving equations and inequalities?

$$-2 = n - 4$$

$$-2 > n - 4$$

Solve and describe in words.

$$2y - 5 < 7$$

$$-4.2m > 6.3$$

Solve.

$$\frac{a}{3} \leq 12$$

$$5x - 3 > 12$$

$$x + 5 \geq 3$$

Graphing Inequalities

There are three pieces to graphing:

1. Number Line 

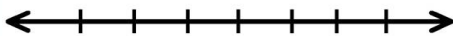
2. Dot

Sign	Dot
< and >	
≤ and ≥	

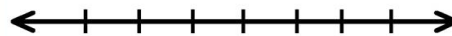
3. Shading 

Graph.

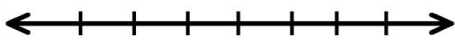
$$x > -2$$



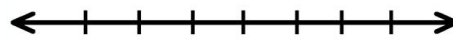
$$x \leq 1$$



$$-x - 11 \geq 23$$



$$-6 + 5x < 19$$



Do you think you can write the inequality from the graph?

