## Day 2 - Solving Inequalities - Notes

A solution to an inequality is any number that makes the inequality true.

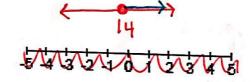
| Value of x | x-4>-12     | Is the inequality true? |
|------------|-------------|-------------------------|
| -2         | -2-47-12    |                         |
|            | -67-12      | True                    |
| -8         | -8-4>-12    | F. (-12 - 12)           |
|            | -12>-12     | False (-12 = -12)       |
| -10        | -10-14 >-12 | -1                      |
|            | -24 > -12   | False                   |

Practice: Solve each inequality and graph. Then name three solutions.

$$\frac{4+\sqrt{+1}}{4+\sqrt{+1}} \neq 10.4$$

$$x \neq 40$$

$$40$$



4. 
$$6x-6 \le 7+2x$$
 $45 + 5$ 
 $6x \le 12 + 2x$ 
 $-2x$ 
 $-2x$ 
 $-2x$ 
 $4x \le 12$ 
 $4x \le 12$ 
 $4x \le 12$ 

