						Note Title
Signal and equal to	less than renter than and equal to	> greater than	Inequality signs:	We can also use an inequality to model a situation that can be described by a range of numbers of a single number.	So far we have been using the "equals to" in our equations.	6.5 Introduction to Inequalities  Dec 4/14  12/4/2014

## Examples

- " a is less than 3"
- ໝ d2-5.4
- "d is greater than and equal to -5.4" 15.4°
- 3) Contest entrants must be at least 18 years old. (a = age)
- a≥18
- 4) Scientists have identified over 400 species of dinosaurs. (s=species) (s=species)
- 5 > 400

## Inequality Solutions

5 each number a solution of the inequality b2-4?

a) 
$$-8$$
 b)  $-3.5$  c)  $-4$  d)  $-4.5$  e) 0

1-4.5 2.4not a solution

Graphing solutions

9

4-50

solution

Graph each inequality on a number line. Write (3) possible solutions.

-8 -7 -6 -5 -4 -3 -a -1 0 open dot for > and < possible: 74,36,-1



