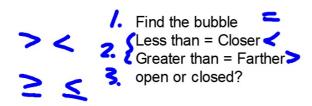
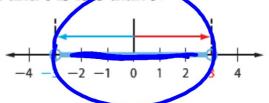
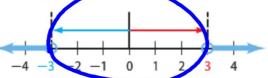
Algebra 1 5.5
Solve and graph absolute value inequalities
Write an absolute value inequality from a graph inequality
absolute value
less than
greater than
floor graphs
whiteboards
speed dating



**Absolute Value Inequalities (<)** The inequality |x| < 3 means that the distance between x and 0 is less than 3.



**Absolute Value Inequalities (>)** The inequality |x| > 3 means that the distance between x and 0 is greater than 3



Sol h-mequality. Then graph the s\_\_ition set.

1. 
$$|a-5| < 3$$

1

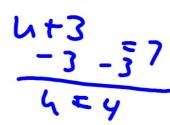
1 3

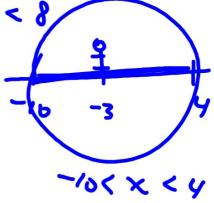
**2.** 
$$|u+3| < 7$$

2. |u+3|<7

Bubble Closer or farther? What's in the middle?

4+3 -3-5-7 4=-10

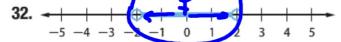




4. 
$$|c+2| > -2$$

5.  $|n+5| = 3$ 
 $|c+2| > -2$ 
 $|c+2| = -3$ 
 $|c+3| = -$ 

REGULARITY Write an open sentence involving absolute value for each graph.



1x-0/<2 -2<x<2

What's in the middle? Bubble? Closer or farther?

**35.** 0 1 2 3 4 5 6 7 8 9 10 11

|x-ss| > 4.5