Algebra 1

Chapter 3

Section 3-1

May 13-10:02 PM

Concepts

Inequality

Mathematical sentence that compares the values of two expressions

Inequalities

Word Phrases

Seven is less than ten.

Four is greater than one.

Sep 29-3:15 PM

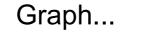
Inequalities

Word Phrases

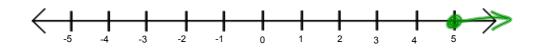
Negative twenty-two is less than negative five.

Fourteen is greater than negative thirty-one.

Oct 6-8:33 PM

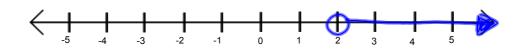


$$x \ge 5$$



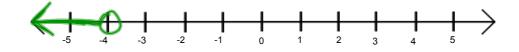




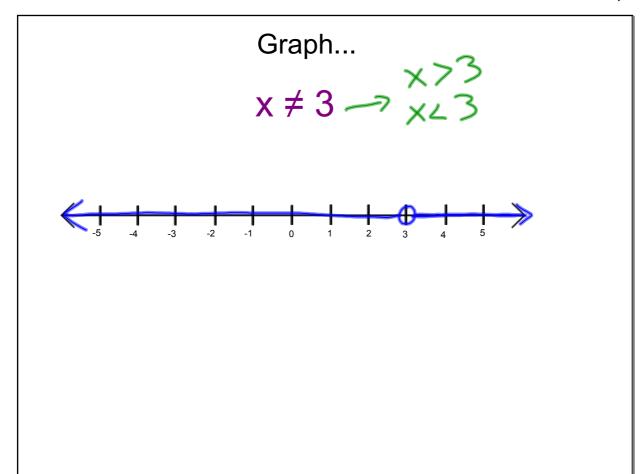


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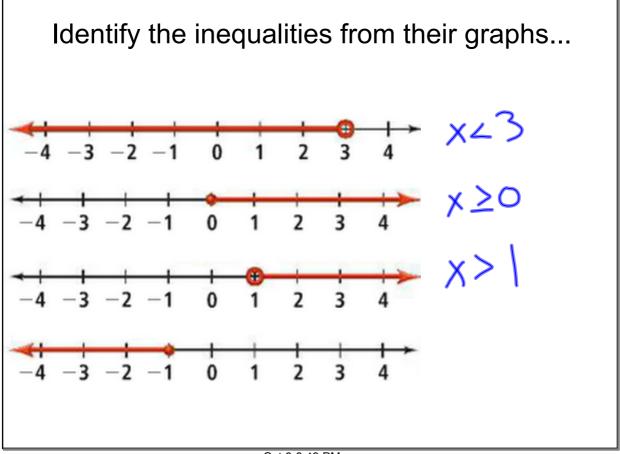
Graph...



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What inequality describes the situation? Be sure to define a variable.



Let c =the cost of a trail ride in dollars.





Let s = a legal speed in miles per hour.

Oct 6-8:44 PM

Finding a Solution

t - 4 > 5

Are the following solutions of the inequality? How do you know?

t is 11

11-4>5->705 Yes

t is 4

4-47570/5 No

t is any number between 2 and 13

Finding a Solution

Is v = 20 a solution to the inequality?

$$2v - 10 < v + 5$$

Oct 6-8:47 PM

Finding a Solution

Is v = -4 a solution to the inequality?

$$2 - v > -2v - 2$$