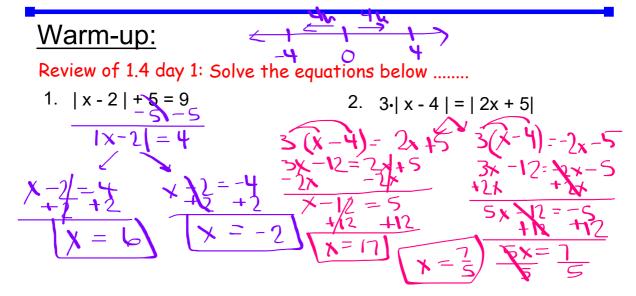
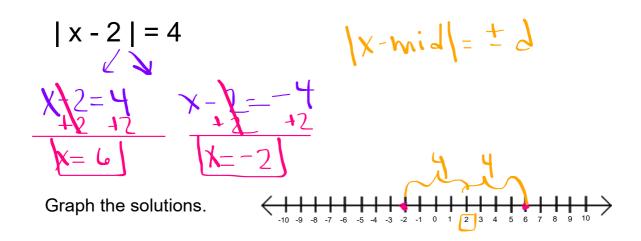
Algebra 1: 1.4 Absolute Value Equations Part 2



Sep 21-9:13 AM

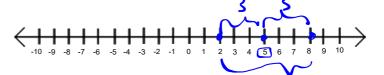


What number is halfway between the two solutions? ______ How far away from the middle are each of the solutions? ______

1.4 Absolute Value Equations DAY TWO with work

$$|x-5|=3$$
 $x-5=3$
 $x-5=3$
 $x=2$

Graph the solutions.

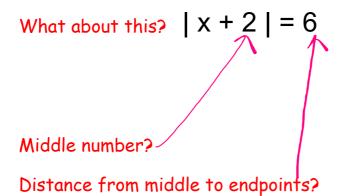


What number is halfway between the two solutions?

How far away from the middle are each of the solutions? 3

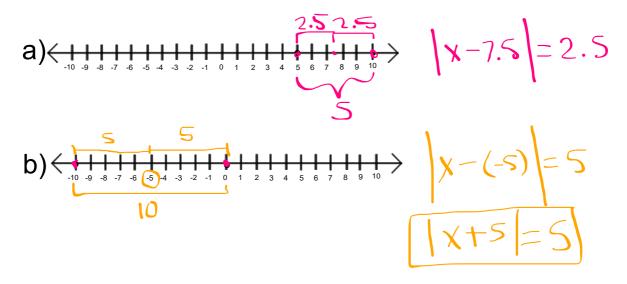
Sep 21-9:14 AM

Hhmm ... do you notice anything about those last two problems?



1.4 Absolute Value Equations DAY TWO with work

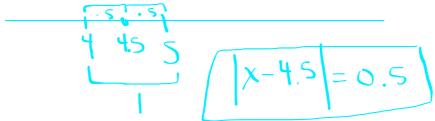
Write an absolute value equation with these solutions.



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Example 3:

In a cheerleading competition, the minimum length of a routine is 4 minutes. The maximum length of a routine is 5 minutes. Write an absolute value equation that represents the minimum and maximum lengths. (Hint: graph the two solutions and see last two examples)

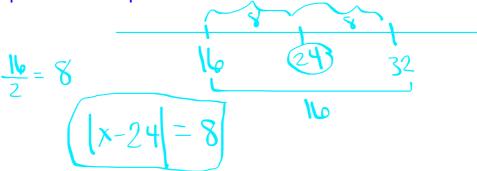


1.4 Absolute Value Equations DAY TWO with work

Practice 3:

For a poetry contest, the minimum length of a poem is 16 lines.

The maximum length is 32 lines. Write an absolute value equation that represents the minimum and maximum lengths.



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HW: pg. 32

A: 17 - 25 (o), 31 - 39 (o), 46, 47 - 49, 62 - 67

B: 1, 2, 9 - 35 (o), 49, 52, 62 - 67

C: an email was sent to you