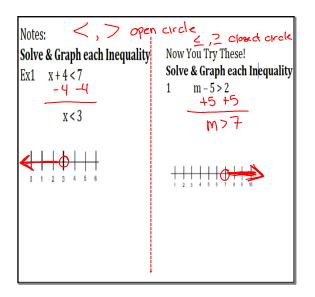
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Calculator? Yes! Please have your homework on your desk. DATE: TSW solve inequalities. QRQ: An equation is solve as shown. Explain each step. 4(x-9)+2=2(x-3) $4x-3\xi+2=2x-6$  Distributive Substitution 4x - 34 = 2x - 6 CLT on the same side 4x - 34 = 2x - 6 Move variables together 2x - 34 = -6 Move constants together 2x = 28 Substitution

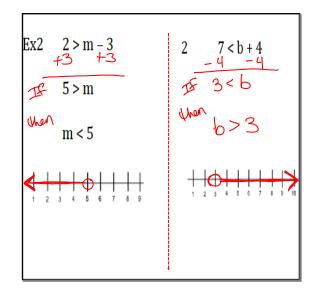
An equation is solve as shown. Explain each step. 3(x + 5) - 9 = 8(x - 1) + 2x Given 3x + 15 - 9 = 8x - 8 + 2x Distributive 3x+6=10x-8 CLT on same side 6=7x-8 Mared variables together 14=7x Pared the constants together 777 Substitution 2=x

Four equations are solved as shown. Identify which equation	
is solve correctly. The ones that are not solved correctly, highlight where the mistake that was made.	
	-2(x+5)+3 = 6(x-2) - 3x
-2(x+5)+3=6(x-2)-3x	-2(x+5)+3 = 6(x-2) - 3x
-2x + 10+ 3 = 6x - 12 - 3x	-2x - 10 + 3 = 6x - 12 - 3x
-2x + 13 = 3x - 12	-2x - 7 = 3x - 12
shall be 13 = 5x - 12 Negative 5	+2x + 2x
Pregative	5 = x Should be
<sup>1</sup> J 25 = 5x	5 = x 'S hould be
5 = x	UX
-2(x+5)+3 = 6(x-2) - 3x	-2(x+5)+3 = 6(x-2) - 3x
-2x - 10 + 3 = 6x - 12 - <u>3</u> x	-2x - 10 + 3 = 6x - 2 - 3x
-2x - 7 = 3x - 12	-2x - 7 = 3x - 2 Shald
$\frac{1}{5} = \frac{7}{5} = \frac{5x}{12}$	-7 = 5x - 2 be $-12$
$\frac{1}{12} = \frac{5x - 12}{12}$ 5 = 5x	-5 = 5x
1 = x	-1 = x

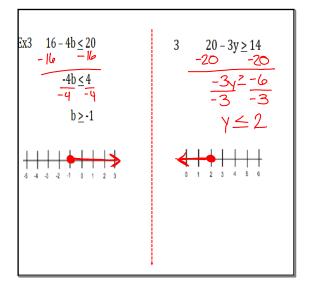


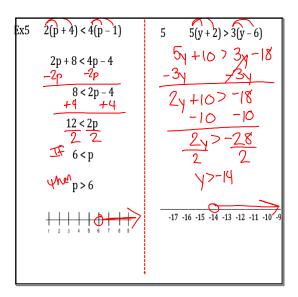
9 An equation is solved as shown.  
Between which two steps is an error made?  
Explain the error.  

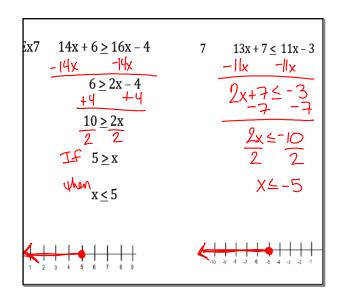
$$-4(x + 7) = 2(x - 4)$$
  
 $-4x - 28 = 2x - 8$   
 $+4x - 28 = -2x - 8$   
 $-28 = -2x - 8$   
 $-20 = -2x$   
 $10 = x$ 

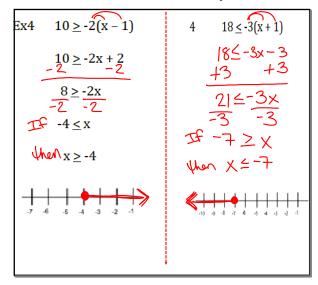


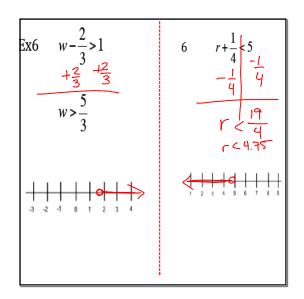
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Quiz on Multi-Step Equations?

## After Quiz:

Complete circled problems on Solve Inequalities Handout