I will work out all of the problems and write calculator instructions that could help you. TEST ITEM SET

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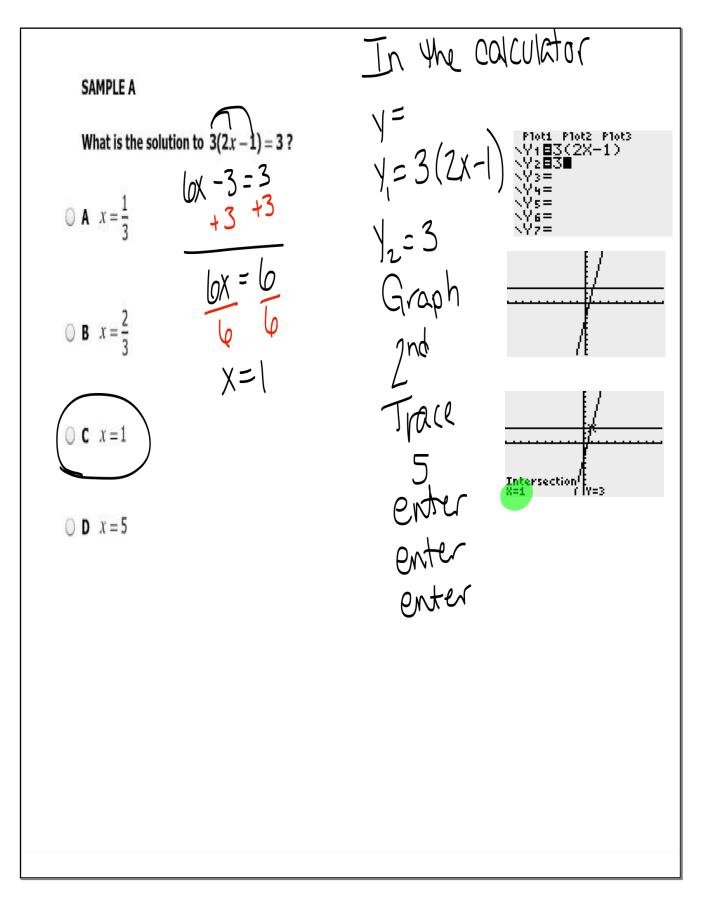
## Algebra I

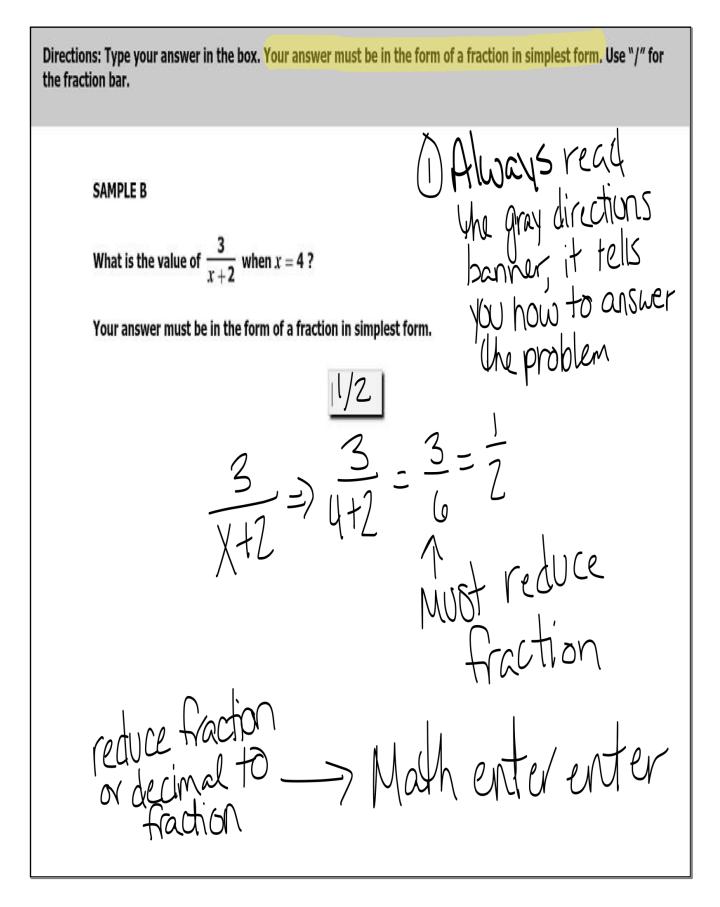
## 2009 Mathematics Standards of Learning

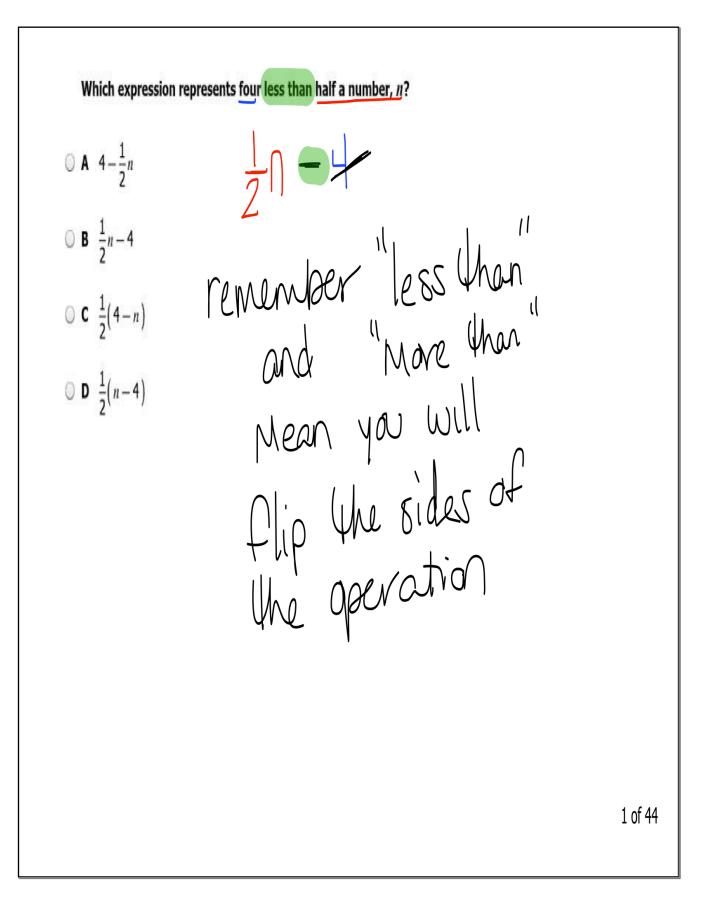
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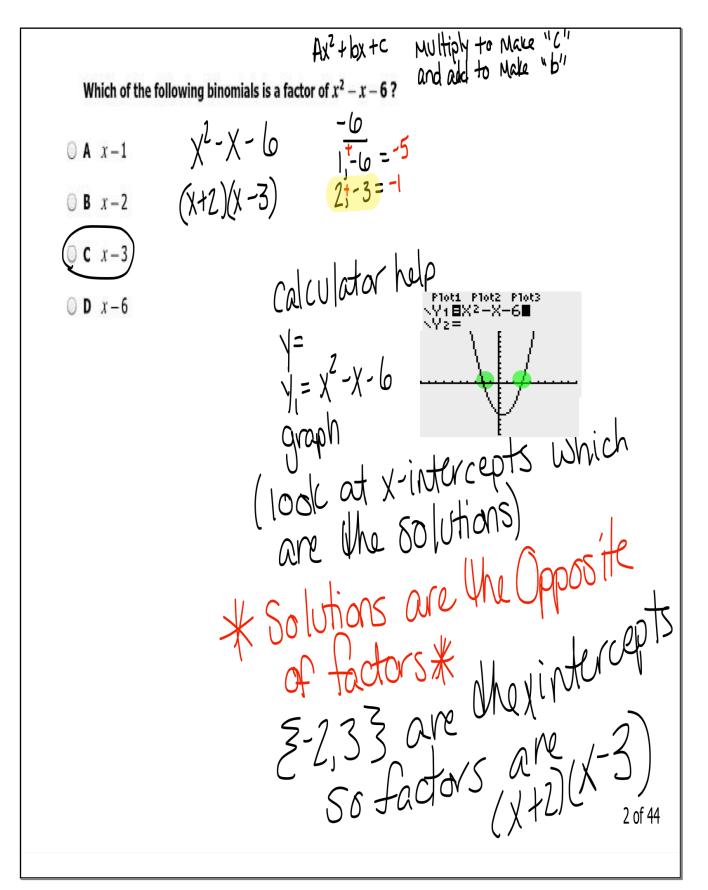
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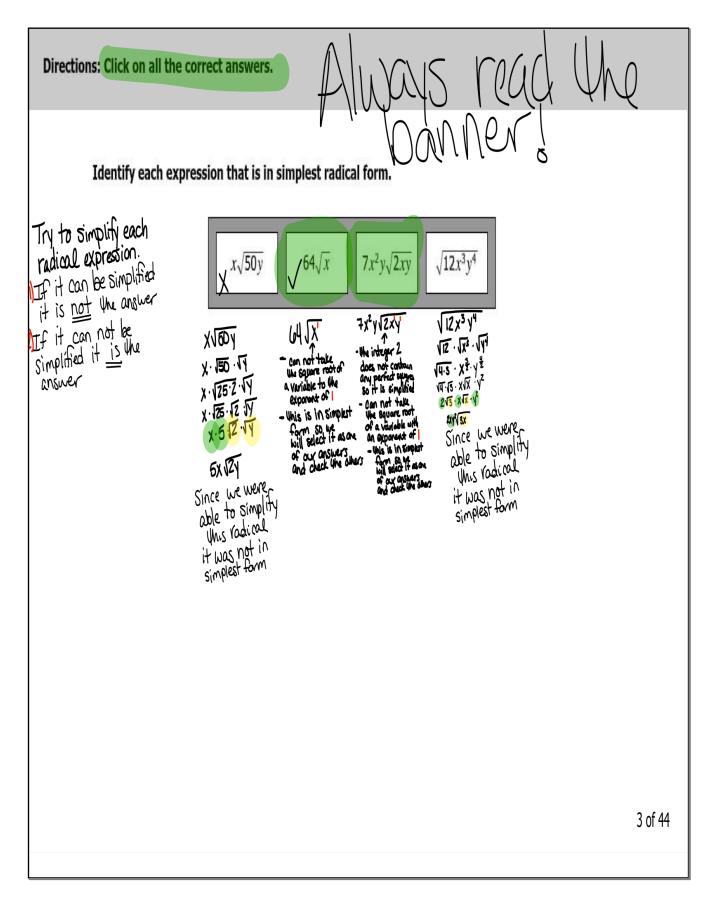
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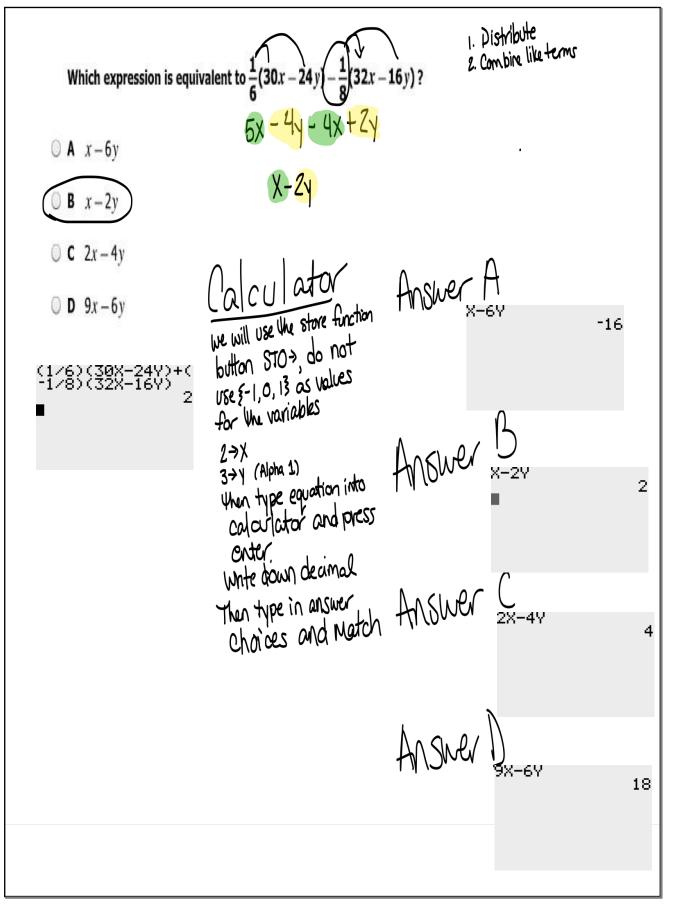


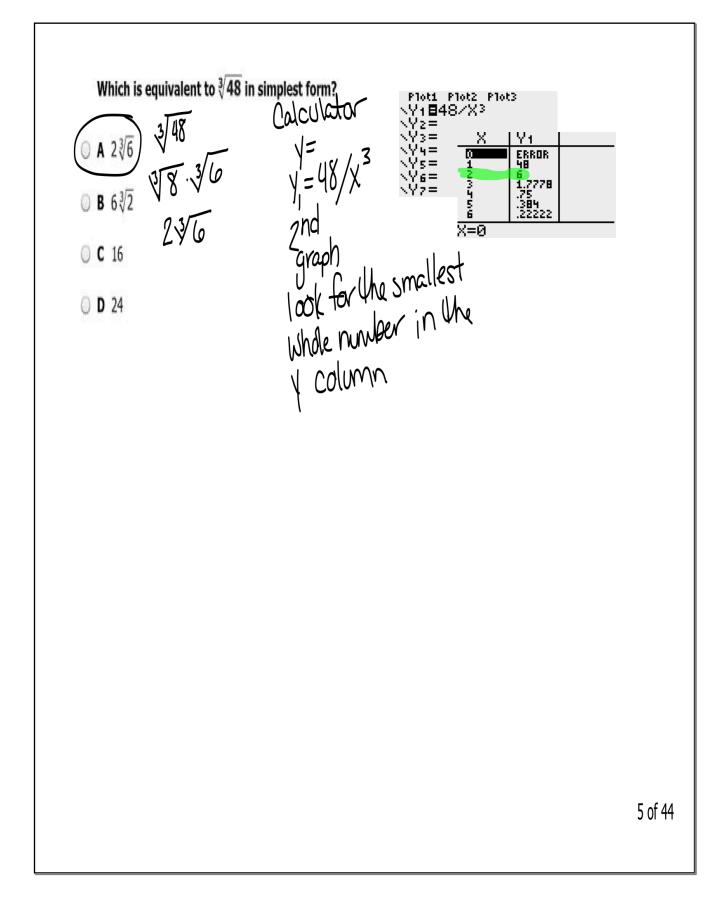


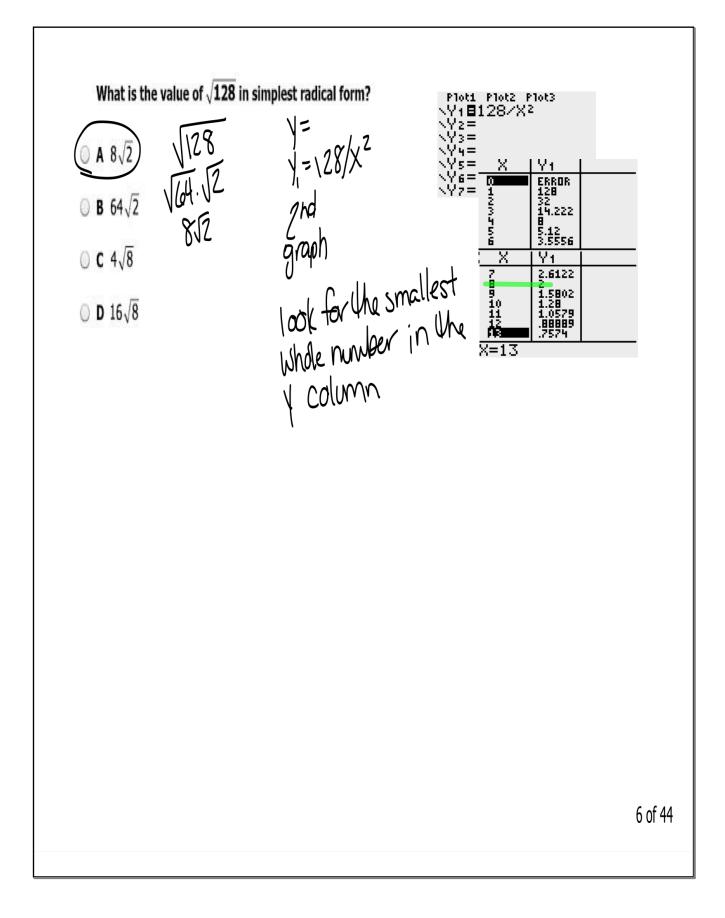


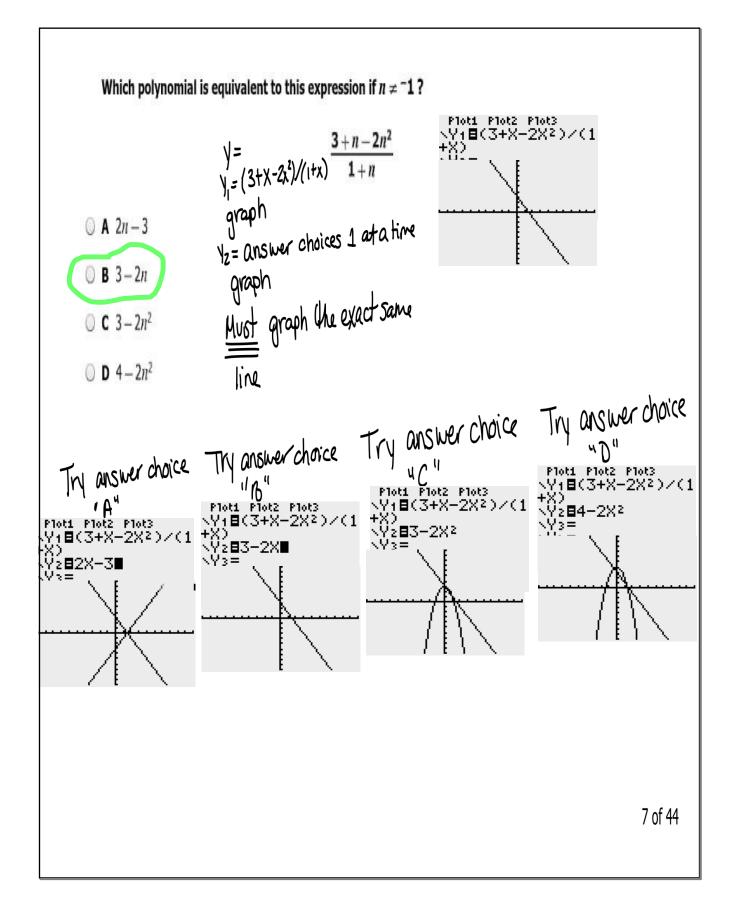


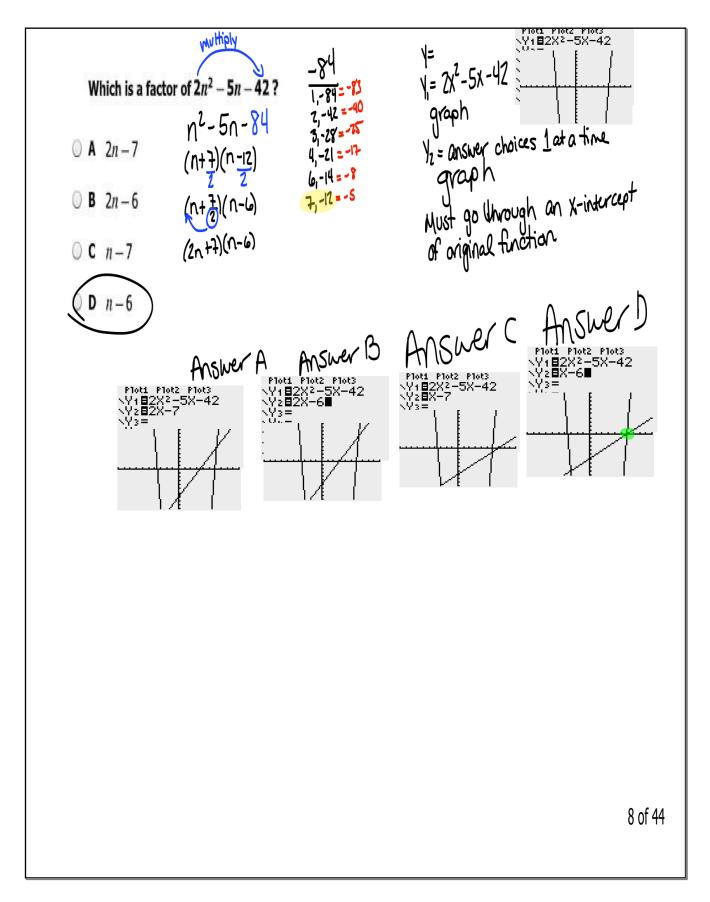


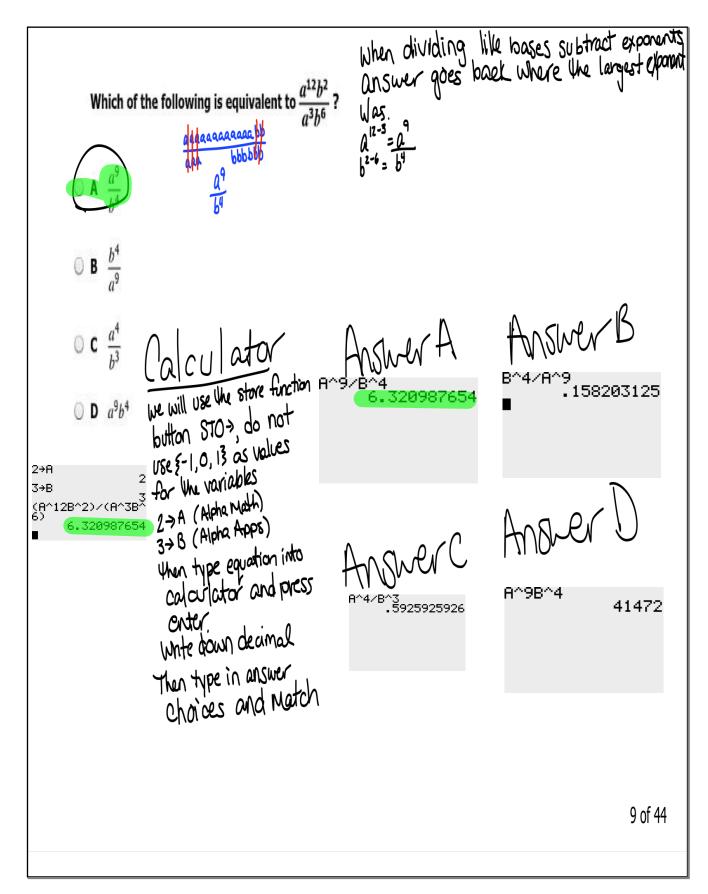


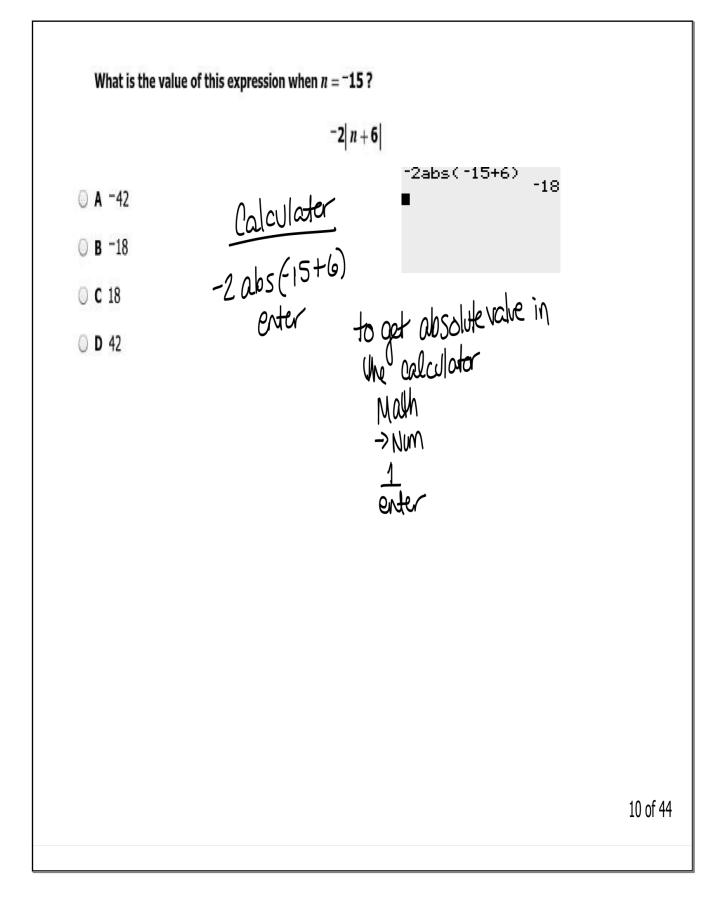


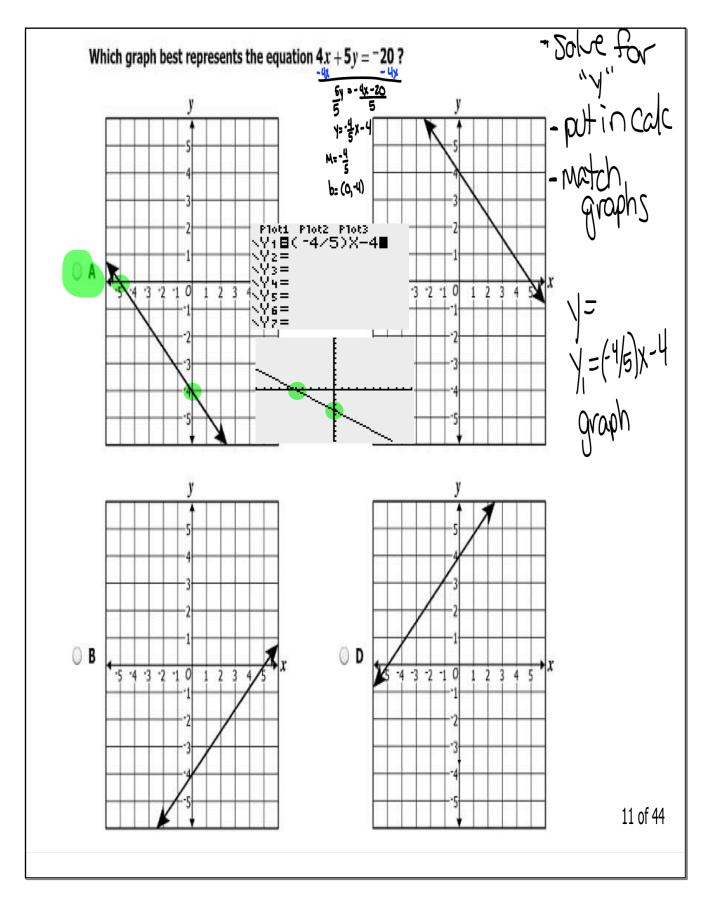












A formula to find the angle measures of an isosceles triangle is shown.

180 = 2x + y

|80 = 2x + y  $\frac{-y}{2} = \frac{2x}{2}$   $\frac{180 - y}{2} = \frac{2x}{2}$  $\frac{180 - y}{2} = x$ 

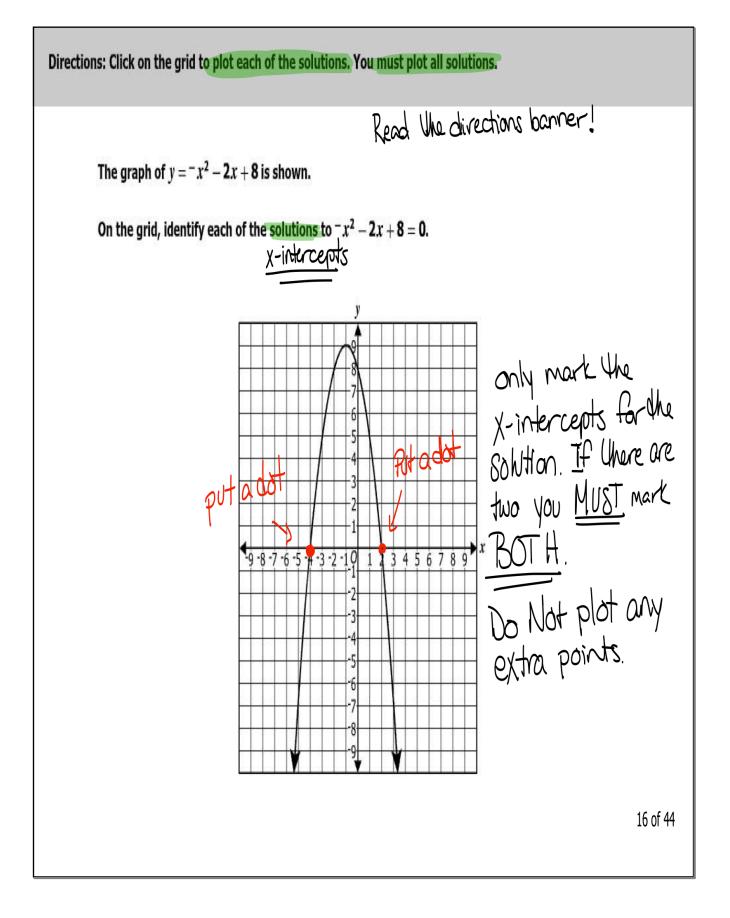
Which equation can be used to find x?

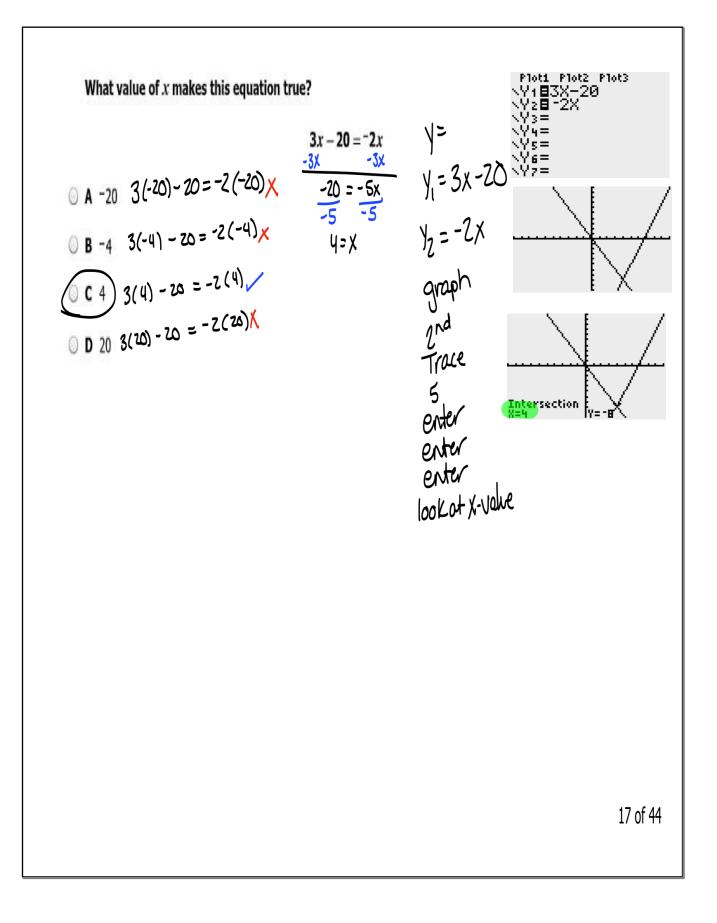
0	A	$x = \frac{180 - y}{2}$
0	B	$x = \frac{180 + y}{2}$
0	с	x = 90 - y

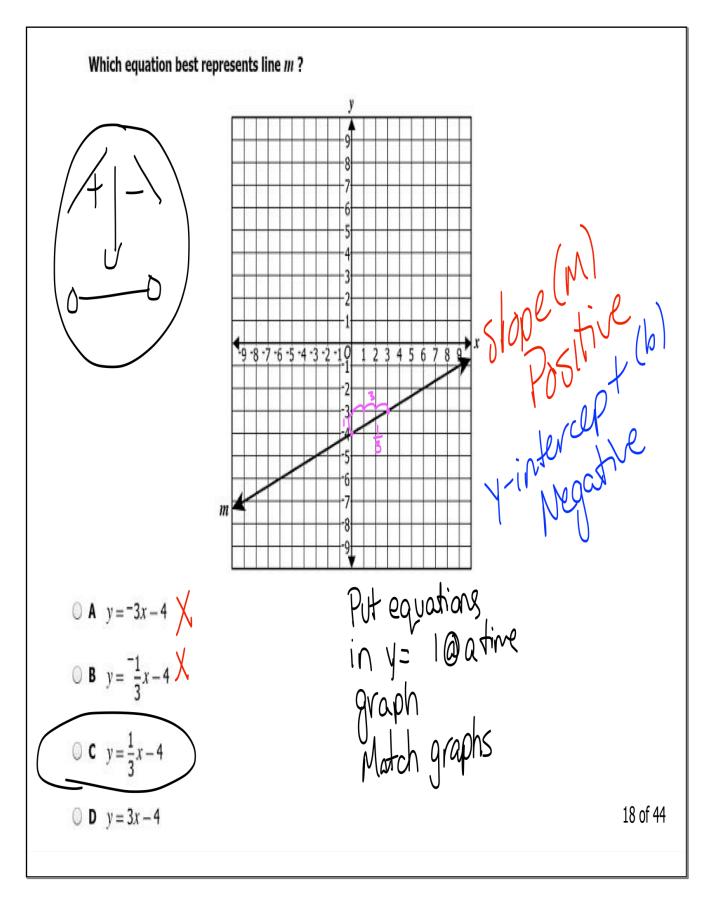
() **D** 
$$x = 90 + y$$

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There are then y ways to solve this problem  
T will show you 4  
Which equation represents the line that passes through the points (-4, 4) and (8, -2)?  
Which equation represents the line that passes through the points (-4, 4) and (8, -2)?  
A 
$$y = -2x + 14$$
  $M = \frac{y_{0} - y_{1}}{y_{2} - x_{1}} = \frac{-2 - 4}{8 - (4)} = \frac{-6}{12} = \frac{-1}{2}$   $3$  shot  
 $1$   $y = 0$  such choice 1 at a  
 $1$   $y = 0$  such choice 1 at a  
 $1$   $y = 0$  such choice 1 at a  
 $1$   $y = 0$  such choice 1 at a  
 $1$   $y = 0$  such choice 1 at a  
 $1$   $y = 1$   $y = -\frac{1}{2}(x - 4)$   $y_{1} = -\frac{1}{2}(x - 4)$   $y_{2} = \frac{1}{2}(x - 4)$   $y_{3} = \frac{1}{2}$   $y_{1} = \frac{1}{2}x + 2$   
 $1$   $y = \frac{1}{2}x - 2$   $y_{1} = \frac{-1}{2}(x - 4)$   $y_{3} = \frac{1}{2}$   $y_{4} = \frac{-1}{2}x + 2$   
 $1$   $y = \frac{1}{2}x - 2$   $y_{4} = \frac{-1}{2}x + 2$   $y_{5} = \frac{1}{2}x + 2$   $y_{6} = \frac{1}{2}x + 2$   
 $1$   $y = \frac{1}{2}x + 2$   $y$ 

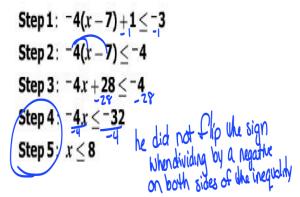




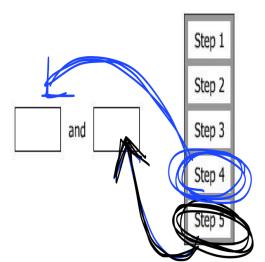


Directions: Click and drag the answers to the correct boxes.

Christopher incorrectly solved an inequality as shown.



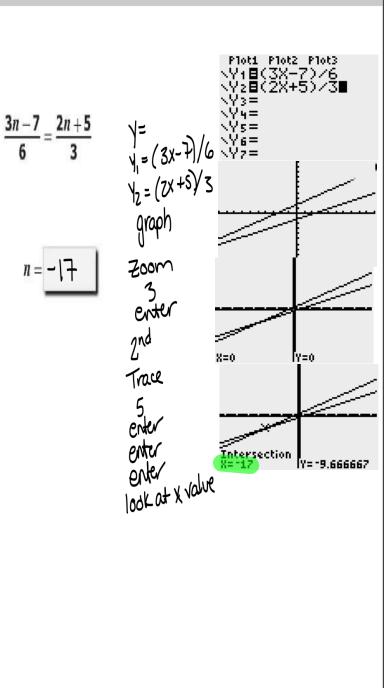
Between which two consecutive steps did Christopher make a mistake?



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Directions: Type your answer in the box.





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