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41 42 43 44 45 46 47 48 49 50

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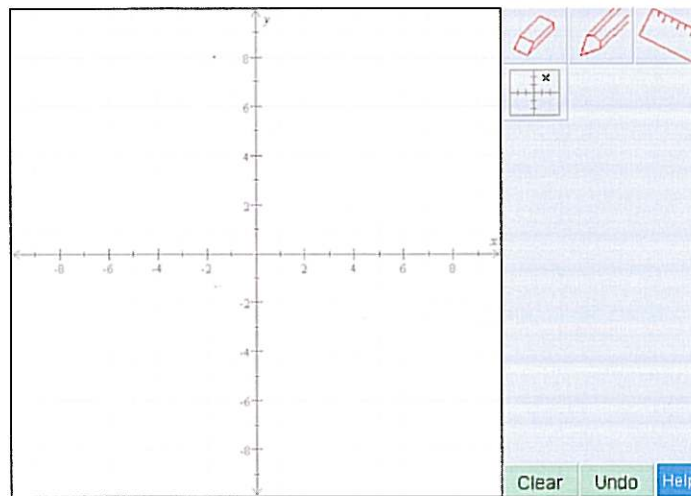
Total time remaining: 1:15

**Question #36 / 50**

Graph the line.

$$2x + 3y = 12$$

Quick Help

[How do I plot a point anywhere on the graph?](#)[<< Prev. Question](#)[Next Question >>](#)

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41	42	43	44	45	46	47	48	49	50										

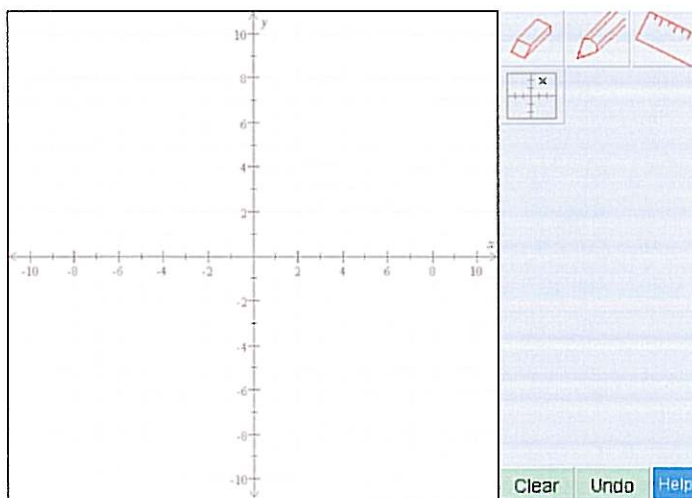
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**Question #37 / 50**

Graph the line with slope  $\frac{1}{2}$  passing through the point  $(-5, -3)$ .

Quick Help

[How do I plot a point anywhere on the graph?](#)

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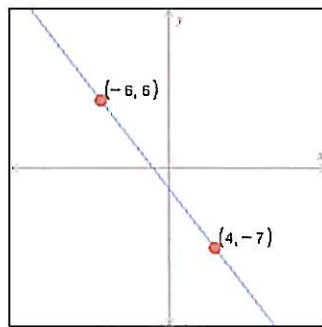
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**Question #38 / 50**

Find the slope of the line graphed below.

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### Question #40 / 50

Graph the inequality below on the number line.

$$a < 2$$

Quick Help

[How do I enter my solution?](#)

The interface shows a horizontal number line from -11 to 11. To the right of the number line is a toolbar with icons for erasing, selecting a point (open circle), selecting a point (closed circle), and selecting a range (arrow). Below the toolbar are three buttons: 'Clear', 'Undo', and 'Help'.

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**Question #41 / 50**

Find both the  $x$ -intercept and the  $y$ -intercept of the line given by the equation

$$2x + 3y + 7 = 0$$

x-intercept = <input type="text"/>	
y-intercept = <input type="text"/>	
<input type="button" value="Clear"/> <input type="button" value="Undo"/> <input type="button" value="Help"/>	

&lt;&lt; Prev. Question


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41 42 43 44 45 46 47 48 49 50

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Total time remaining: 1:02

**Question #42 / 50**Find the slope of the line  $5x = 4y + 1$ .  
 Undefined  
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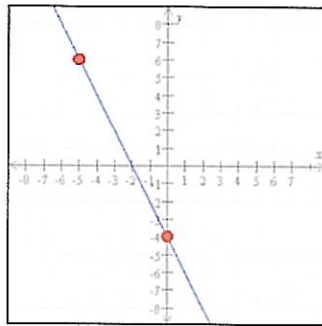
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Total time remaining: 1:01

**Question #43 / 50**

Write an equation of the line below.

  
 =     
Clear Undo Help

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41	42	43	44	45	46	47	48	49	50										

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**Question #44 / 50**

A line passes through the point  $(x, y) = (-5, 5)$  and has a slope of  $\frac{1}{4}$ . Write an equation for this line.

  
 =   /   
[Clear](#) [Undo](#) [Help](#)[<< Prev. Question](#)[Next Question >>](#)