

# Lines of Turkey!

On your piece of graph paper, draw a vertical line for your y -axis and a horizontal line for your x-axis about halfway down and across your paper.

<p style="text-align: center;"><u>Graphing Lines</u></p>	<p style="text-align: center;"><u>Graphing with Points</u></p> <p style="text-align: center;">Draw a line to connect each pair of points.</p>
<p><input type="checkbox"/> <math>y = x - 3</math> <math>[-3 &lt; x &lt; -2]</math></p> <p><input type="checkbox"/> <math>y = -x - 7</math> <math>[-2 &lt; x &lt; -1]</math></p> <p><input type="checkbox"/> <math>x = -2</math> <math>[-6 &lt; y &lt; -2]</math></p> <p><input type="checkbox"/> <math>y = -\frac{1}{2}x - 3</math> <math>[-2 &lt; x &lt; 0]</math></p> <p><input type="checkbox"/> <math>x = 2</math> <math>[-6 &lt; y &lt; -2]</math></p> <p><input type="checkbox"/> <math>y = x - 7</math> <math>[1 &lt; x &lt; 2]</math></p> <p><input type="checkbox"/> <math>y = -x - 3</math> <math>[2 &lt; x &lt; 3]</math></p> <p><input type="checkbox"/> <math>x = 14</math> <math>[6 &lt; y &lt; 9]</math></p> <p><input type="checkbox"/> <math>y = 2x - 7</math> <math>[3 &lt; x &lt; 8]</math></p> <p><input type="checkbox"/> <math>y = \frac{1}{2}x - 3</math> <math>[0 &lt; x &lt; 2]</math></p> <p><input type="checkbox"/> <math>y = 2x + 14</math> <math>[-2 &lt; x &lt; 0]</math></p> <p><input type="checkbox"/> <math>y = -2x + 14</math> <math>[0 &lt; x &lt; 2]</math></p>	<div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;"> <p><input type="checkbox"/> (0, 3) (2, 5)</p> <p><input type="checkbox"/> (2, 6) (0, 8)</p> <p><input type="checkbox"/> (-2, 2) (-2, 10)</p> <p><input type="checkbox"/> (-6, -1) (-2, -2)</p> <p><input type="checkbox"/> (-11, 8) (-2, -2)</p> <p><input type="checkbox"/> (-14, 9) (-14, 6)</p> <p><input type="checkbox"/> (-14, 9) (-11, 8)</p> <p><input type="checkbox"/> (0, 2) (0, 4)</p> <p><input type="checkbox"/> (0, 2) (-1, 2)</p> <p><input type="checkbox"/> (-1, 2) (0, 4)</p> <p><input type="checkbox"/> (3, 1) (3, -1)</p> <p><input type="checkbox"/> (3, 1) (2, 2)</p> <p><input type="checkbox"/> (2, 2) (0, 3)</p> <p><input type="checkbox"/> (-3, -1) (-3, 1)</p> <p><input type="checkbox"/> (-8, 9) (-3, -1)</p> </div> <div style="width: 50%;"> <p><input type="checkbox"/> (-3, 1) (-2, 2)</p> <p><input type="checkbox"/> (-2, 2) (0, 3)</p> <p><input type="checkbox"/> (2, 2) (2, 10)</p> <p><input type="checkbox"/> (0, 8) (-2, 6)</p> <p><input type="checkbox"/> (-2, 5) (0, 3)</p> <p><input type="checkbox"/> (-1, 6) (1, 6)</p> <p><input type="checkbox"/> (0, 5) (-1, 6)</p> <p><input type="checkbox"/> (0, 5) (1, 6)</p> <p><input type="checkbox"/> (2, -2) (11, 8)</p> <p><input type="checkbox"/> (8, 9) (7, 12)</p> <p><input type="checkbox"/> (7, 12) (4, 10)</p> <p><input type="checkbox"/> (4, 10) (2, 2)</p> <p><input type="checkbox"/> (-2, 2) (-4, 10)</p> <p><input type="checkbox"/> (-4, 10) (-7, 12)</p> <p><input type="checkbox"/> (-7, 12) (-8, 9)</p> </div> </div>
<p><u>Graphing with Slope</u></p> <p><input type="checkbox"/> Starting at (-14, 6) <math>m = \frac{-7}{8}</math> <math>[-14 &lt; x &lt; -6]</math></p> <p><input type="checkbox"/> Starting at (2, -2) <math>m = \frac{1}{4}</math> <math>[2 &lt; x &lt; 6]</math></p> <p><input type="checkbox"/> Starting at (6, -1) <math>m = \frac{7}{8}</math> <math>[6 &lt; x &lt; 14]</math></p> <p><input type="checkbox"/> Starting at (11, 8) <math>m = \frac{1}{3}</math> <math>[11 &lt; x &lt; 14]</math></p>	<p style="text-align: center;"><u>Dots!</u></p> <p><input type="checkbox"/> Place dots for your eyes to the left and right of (0, 6)!</p>