



Math worksheet on 'Slope - Find Equivalent - X, Y Chart to Slope Y Intercept Form (Level 1)'. Part of a broader unit on 'Line Equations and Graphing - Intro'

Learn online: app.mobius.academy/math/units/line_equations_and_graphing_intro/

1 What line equation would create this set of X, Y values? <table> <tr><th>X</th><th>Y</th></tr> <tr><td>0</td><td>2</td></tr> <tr><td>1</td><td>0</td></tr> <tr><td>2</td><td>-2</td></tr> <tr><td>3</td><td>-4</td></tr> <tr><td>4</td><td>-6</td></tr> </table>	X	Y	0	2	1	0	2	-2	3	-4	4	-6	a $y = -\frac{2}{2}x + 2$	b $y = 2x + 2$
	X	Y												
	0	2												
	1	0												
	2	-2												
	3	-4												
4	-6													
c $y = -\frac{1}{2}x + 2$	d $y = -2x + 2$													

2 What line equation would create this set of X, Y values? <table> <tr><th>X</th><th>Y</th></tr> <tr><td>0</td><td>4</td></tr> <tr><td>1</td><td>0</td></tr> <tr><td>2</td><td>-4</td></tr> <tr><td>3</td><td>-8</td></tr> <tr><td>4</td><td>-12</td></tr> </table>	X	Y	0	4	1	0	2	-4	3	-8	4	-12	a $y = -4x + 4$	b $y = -\frac{1}{4}x + 4$
	X	Y												
	0	4												
	1	0												
	2	-4												
	3	-8												
4	-12													
c $y = -\frac{4}{2}x + 4$	d $y = 4x + 4$													

3 What line equation would create this set of X, Y values? <table> <tr><th>X</th><th>Y</th></tr> <tr><td>0</td><td>4</td></tr> <tr><td>1</td><td>3</td></tr> <tr><td>2</td><td>2</td></tr> <tr><td>3</td><td>1</td></tr> <tr><td>4</td><td>0</td></tr> </table>	X	Y	0	4	1	3	2	2	3	1	4	0	a $y = \frac{1}{2}x + 4$	b $y = 1x + 4$
	X	Y												
	0	4												
	1	3												
	2	2												
	3	1												
4	0													
c $y = -1x + 4$														

4 What line equation would create this set of X, Y values? <table> <tr><th>X</th><th>Y</th></tr> <tr><td>0</td><td>1</td></tr> <tr><td>1</td><td>4</td></tr> <tr><td>2</td><td>7</td></tr> <tr><td>3</td><td>10</td></tr> <tr><td>4</td><td>13</td></tr> </table>	X	Y	0	1	1	4	2	7	3	10	4	13	a $y = \frac{3}{2}x + 1$	b $y = -3x + 1$
	X	Y												
	0	1												
	1	4												
	2	7												
	3	10												
4	13													
c $y = 3x + 1$	d $y = \frac{1}{3}x + 1$													

5 What line equation would create this set of X, Y values? <table> <tr><th>X</th><th>Y</th></tr> <tr><td>0</td><td>3</td></tr> <tr><td>1</td><td>3.33</td></tr> <tr><td>2</td><td>3.67</td></tr> <tr><td>3</td><td>4</td></tr> <tr><td>4</td><td>4.33</td></tr> </table>	X	Y	0	3	1	3.33	2	3.67	3	4	4	4.33	a $y = 3x + 3$	b $y = \frac{1}{3}x + 3$
	X	Y												
	0	3												
	1	3.33												
	2	3.67												
	3	4												
4	4.33													
c $y = -\frac{3}{2}x + 3$	d $y = -\frac{1}{3}x + 3$													

6 What line equation would create this set of X, Y values? <table> <tr><th>X</th><th>Y</th></tr> <tr><td>0</td><td>2.25</td></tr> <tr><td>1</td><td>2</td></tr> <tr><td>2</td><td>1.75</td></tr> <tr><td>3</td><td>1.5</td></tr> <tr><td>4</td><td>1.25</td></tr> </table>	X	Y	0	2.25	1	2	2	1.75	3	1.5	4	1.25	a $y = \frac{1}{4}x + 2.25$	b $y = \frac{4}{2}x + 2.25$
	X	Y												
	0	2.25												
	1	2												
	2	1.75												
	3	1.5												
4	1.25													
c $y = -4x + 2.25$	d $y = -\frac{1}{4}x + 2.25$													

7 What line equation would create this set of X, Y values? <table> <tr><th>X</th><th>Y</th></tr> <tr><td>0</td><td>2.2</td></tr> <tr><td>1</td><td>2</td></tr> <tr><td>2</td><td>1.8</td></tr> <tr><td>3</td><td>1.6</td></tr> <tr><td>4</td><td>1.4</td></tr> </table>	X	Y	0	2.2	1	2	2	1.8	3	1.6	4	1.4	a $y = \frac{1}{5}x + 2.2$	b $y = \frac{5}{2}x + 2.2$
	X	Y												
	0	2.2												
	1	2												
	2	1.8												
	3	1.6												
4	1.4													
c $y = -\frac{1}{5}x + 2.2$	d $y = -5x + 2.2$													