
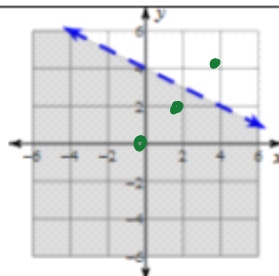
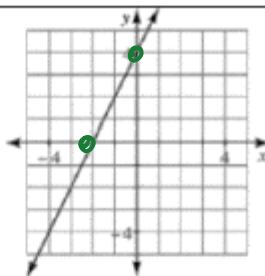
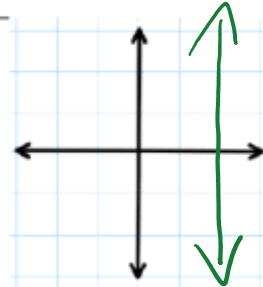


2A. Graphing Linear Functions page 7-8

2. Algebra 1: Graphing Linear Functions			
Study Guide			
<p>1. Find the rate of change given the two points: (2,7) and (5,3)</p> $m = \frac{3-7}{5-2} = \boxed{-\frac{4}{3}}$	<p>2. What is the slope and y-intercept of the equation? $y = 2x + 3$</p> $m = 2 \quad b = 3$ <p>slope y-int</p>		
<p>3. Name a point that is NOT a solution to the graph to the right. Name a point that is a solution to the graph to the right.</p> <p>NOT (4,4) SOL (0,0)</p> 	<p>4. Name the x-intercept and the y-intercept.</p> $x\text{-int} = -2$ $y\text{-int} = 4$ 		
<p>5. Sketch a graph of: $x = 2$</p> 	<p>6. Write an equation that has a y-intercept of 4 and a slope of -2?</p> $y = -2x + 4$		
<p>7. Rewrite from Standard form to Slope - Intercept Form. $3x + y = 2.$</p> $y = -3x + 2$	<p>8. Which pair of points has the slope of: $-\frac{5}{6}$?</p> <p>(2,0) and (-3,6) OR (13,2) and (7,7)</p> $m = \frac{6-0}{-3-2} = \frac{6}{-5}$ <p>NO</p> $m = \frac{7-2}{7-13} = \frac{5}{-6}$ <p>YES</p>		

Monday, April 2, 2020

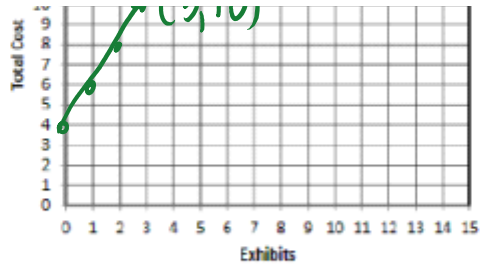
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Thursday, April 2, 2020

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9. Write an equation that describes the situation: Mary is trying to save money. She is able to save \$40 every month and started her savings with \$25. <div>$y = 40x + 25$</div>	10. Sketch a graph of the equation $y = -3x + 2$. $m = -3/2$ $b = 2$ 	
11. What is the x-intercept of the equation: $6x + 3y = -18$ <div>$x = -3$</div>	12. What is the the slope of the line graphed to the right? $m = 3/2$ 	
13. Sketch a graph of the linear inequality $y < 2x + 2$ $m = 2$ $b = 2$ 	14. What is the slope of the line graph to the right? $m = \text{undefined}$ Vertical line 	
15. What is the value of r if the slope of the two points $(r, 2)$ and $(6, 3)$ is $\frac{1}{2}$? $\frac{1}{2} = \frac{3-2}{6-r}$ $\frac{1}{2} = \frac{1}{6-r}$ $6-r = 2$ <div>$4 = r$</div>	16. Solve the Equation $-8x - 8 = -12 - 7x$ <div>$4 = x$</div>	
17. The zoo charges \$4 admission fee along with a \$2 charge for each exhibit you visit.		
A Write the equation based on this situation. $y = 2x + 4$	B Graph the equation you created in part (A). <div><p style="text-align: center;">Zoo Cost</p></div>	C Explain the point $(3, 10)$ in terms of the situation presented. The person visits 3 exhibits and

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visits 3
exhibits w
paid \$10.00