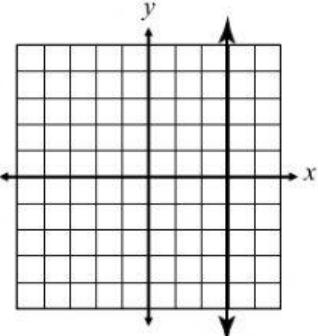
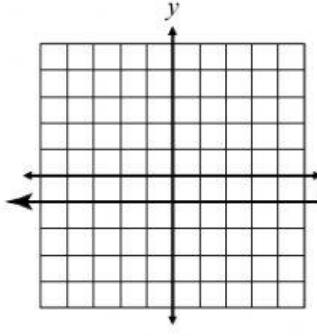
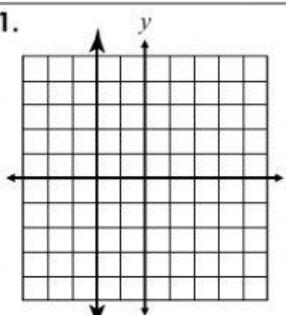
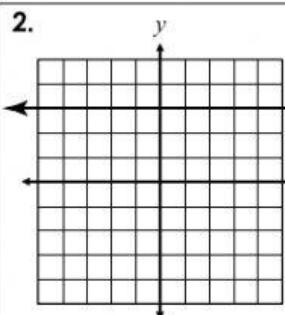
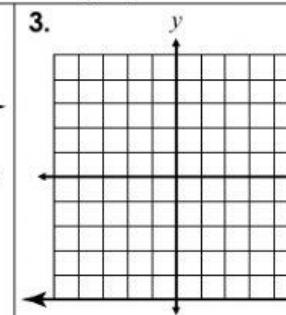
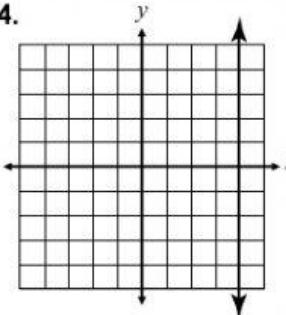
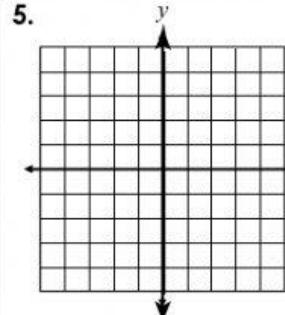
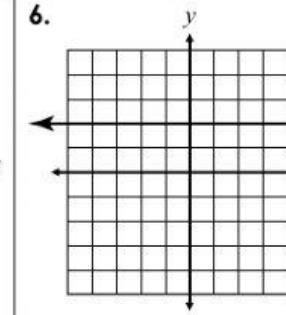


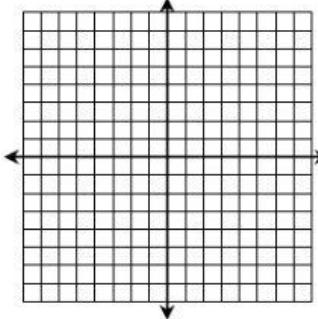
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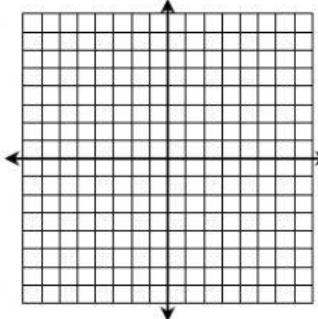
Main Ideas/Questions	Notes/Examples		
VERTICAL & HORIZONTAL LINES	Vertical Lines	Horizontal Lines	
	<p>A <b>vertical line</b> is written in the form <math>x = a</math>, where <math>a</math> represents the line's <math>x</math>-intercept.</p>  <p>The equation of the vertical line graphed above is _____</p>	<p>A <b>horizontal line</b> is written in the form <math>y = a</math>, where <math>a</math> represents the line's <math>y</math>-intercept.</p>  <p>The equation of the horizontal line graphed above is _____</p>	
**Remember, if the line intersects the <b>x-axis</b> , it's $x = a$ , if a line intersects the <b>y-axis</b> , it's $y = a$ .**			
Directions: Write the equation of the line shown on the graph.			
EXAMPLES	<p>1.</p> 	<p>2.</p> 	<p>3.</p> 
	<p>4.</p> 	<p>5.</p> 	<p>6.</p> 

**Directions:** Graph each equation.

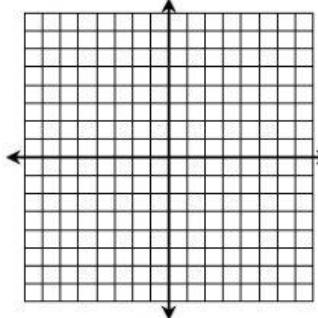
7.  $y = 5$



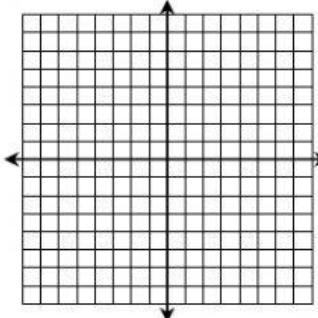
8.  $x = -1$



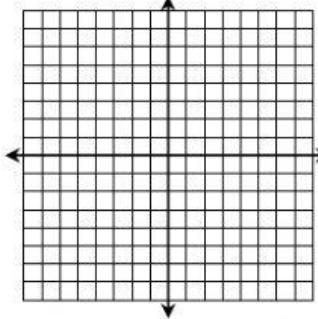
9.  $x = 3$



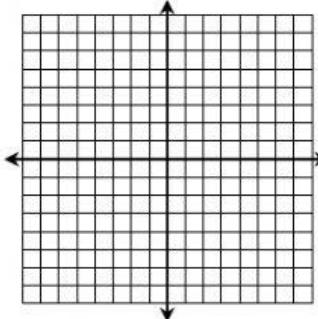
10.  $y = -2$



11.  $y = 4$



12.  $x = -7$



## QUESTIONS

13. What is the slope of the line  $y = 4$ ?

14. What is the slope of the line  $x = -2$ ?

15. What is the slope of the line  $x = 0$ ?

16. Which axis is  $y = -1$  parallel to?

17. Which axis is  $x = 4$  parallel to?

18. How does the graph of  $y = 3$  differ from  $y = 3x$ ? Graph both and explain.

