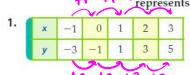
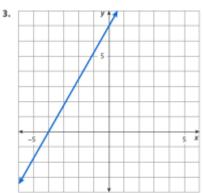
## Practice for Lesson 5.3

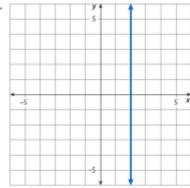
For Exercises 1-8, state whether the table, graph, or equation represents a linear function. Explain why or why not.





$$\frac{\Delta y}{\Delta x} = 2$$





yes, because it is a non-vertical line

no, because this is a Vertical line, where

the input value has more than one output value.

5. 
$$y = 4x + 7$$

**6.** 
$$6x - 3y = 12$$

**7.** 
$$x = 12$$

8. 
$$y = 2x^2 + 4$$

5) yes, equation is in y=mxtb form where m (slope) is 4 and b (y-int) is 7. 6) yes, equation can be rewritten in y=mxtb (y=2x-t) where m=2 and b=-t. 7) no, cannot be rewritten in y=mxtb form (vertical line)

8) no, cannot be rewritten in y=mx+10 form (quadratic function-highest exponent For Exercises 9-12, choose the equation that best represents the linear function described in the given table or graph.

9.			
	x	у	
14	-4	0	7+9
۸. ۱	0	8	o { ' '
rt (	4	16	1

10.			
167454	x	у	
۰ ۵	0	6	6 /-2
14	2	4	4
8 12(	4	2	2-2

A. 
$$y = -2x + 8$$
  
 $y = 2x + 4$   
 $y = 2x + 8$   
 $y = 2x + 8$   
 $y = 2x + 6$   
 $y = 2x + 6$ 

$$\frac{\Delta y}{\Delta x} = \frac{-2}{2} = -$$

D. 
$$y = -2x + 0$$