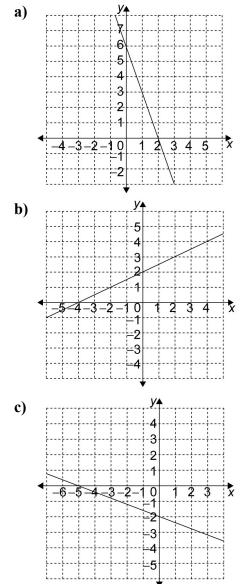


Practice: The Equation of a Line in Slope y-Intercept Form: y = mx + b

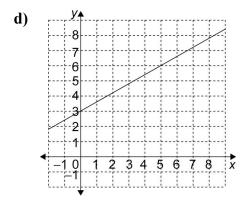
1. Copy and complete the table.

	Equation	Slope	y-Intercept
a)	y = 4x + 1		
b)	$y = \frac{x}{2} - 3$		
c)	y = -2x		
d)	y = -x + 2		

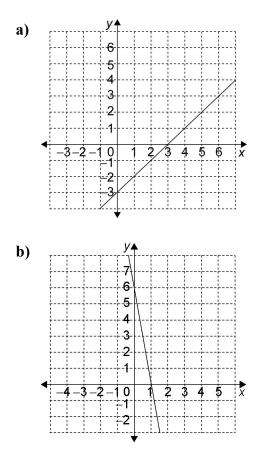
2. Find the slope and *y*-intercept of each line.



Principles of Mathematics 9: Teacher's Resource BLM 6.1.1 Practice: The Equation of a Line in Slope y-Intercept Form: y = mx + b



- **3.** Write the equation of each line in question 2.
- 4. Write the equation of each line.



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5.	Write the equation of a line with each	
	slope and y-intercept.	

	Slope	y-Intercept
a)	-2	1
b)	$\frac{2}{3}$	-4
c)	5	0
d)	$-\frac{3}{2}$	3

(page 2)6. Find the slope and *y*-intercept of each line, if they exist. Graph each line.

a)
$$y = -\frac{1}{2}x + 3$$

b) $y = x - 4$

- **c)** y = 5
- **d**) $y = -\frac{x}{2}$

BLM 6.1.1