## **Practice Set 3.3**

Use the choices to fill in each blank.

	slope-intercept form standard form	horizonta vertical	l oblique constar	e nt	<i>x</i> -coordinate <i>y</i> -coordinate
1.	The equation $ax + by = c$ is in				
2.	The graph of $y = b$ for any real number $b$ is $a(n)$ line.				
3.	The graph of $x = a$ for any real number $a$ is $a(n)$				line.
4.	When the equation $3(x - 1) = 4x - 5$ is solved graphically, the solution is the of the intersection of the lines $y = 3(x - 1)$ and $y = 4x - 5$ .				
5.	The function $f(x) = b$ is cal	lled the		function.	
Write each equation in standard form.					
6.	y = -2x + 6	7.	5x = 3y - 7	6	
				7	
8.	2(x-1) = 3(y+3)	9.	$\frac{1}{2}y = 3(x-4) + 5$	8	
			2	9	

Graph each equation using the *x*- and *y*- intercepts. Write the *x*- and *y*- intercepts.



Date:

Section:

Practice Set 3.3

Graph each equation. Write the *x*- and *y*-intercepts.



- a) Estimate the number of trips needed in order to break even.
- b) Estimate the number of trips needed for the company to make a yearly profit of \$100,000.



- a) Write a function expressing Guadalupe's weekly salary, w, in terms of her weekly sales, s.
- b) If Guadalupe's sales for one week were \$1435, what was her weekly salary?

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b)\_\_\_\_\_