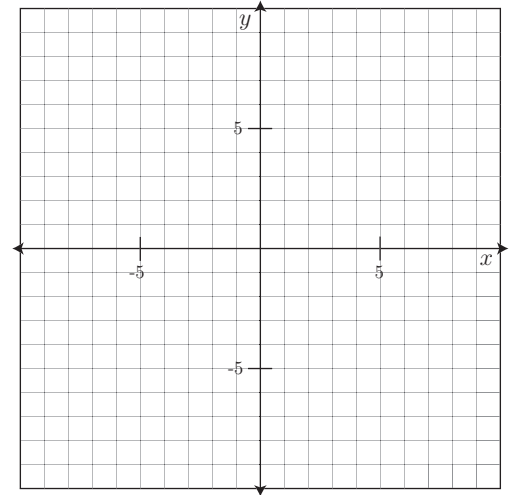


1. The table below shows different input and output values for the equation  $y = \frac{2}{5}x + 4$ .

		+5	+5	+5	+5	
	$x$	-10	-5	0	5	10
	$y = \frac{2}{5}x + 4$	0	2	4	6	8
		+2	+2	+2	+2	



2. Use the table below to answer the following questions.
- (a) What is the slope of the line that connects these points?
- (b) What is the equation of the line that contains these points?

$x$	-8	-4	0	4	8
$y$	-9	-2	5	12	19

3. (a) Assuming the table below describes a linear function, complete the table.

$x$	-7	-4	-1	2	5	8	11
$y$	13	9					

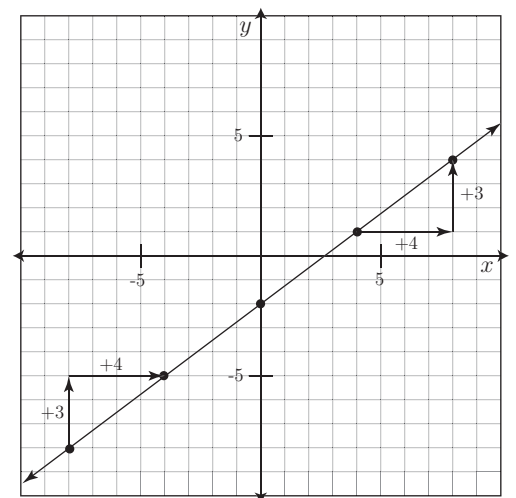
- (b) Find the slope of this line.

4. Use the graph of the line below to answer these questions.

- (a) What is the  $y$ -intercept?
- (b) Complete the table using points from the graph.

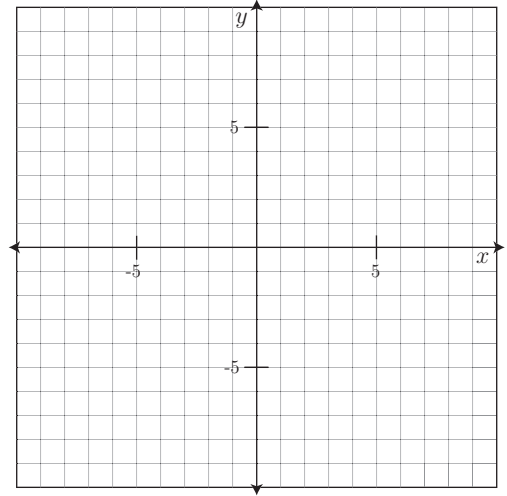
$x$					
$y$					

- (c) What is the slope of this line and how did you find it?
- (d) Write the equation of the line.



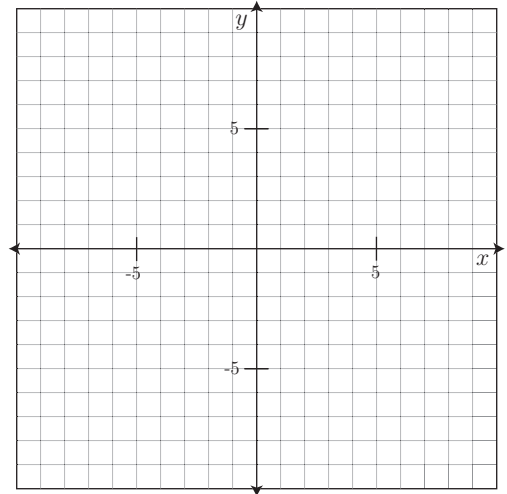
5. Use the graph shown on the right to do the following.

- (a) Graph the line that passes through the point  $(-6, -5)$  and has a table where the  $y$  values increase by 2 as the  $x$  values increase by 3.
- (b) Use your graph to estimate the  $y$ -intercept.
- (c) Write the equation of the line.



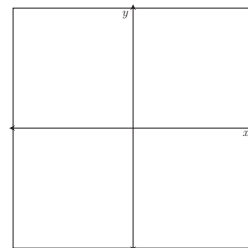
6. Use the graph shown on the right to do the following.

- (a) Graph the line that passes through the points  $(-7, 8)$  and  $(5, -2)$ .
- (b) Use your graph to determine the slope of the line.
- (c) Use your graph to estimate the  $y$ -intercept.
- (c) Write the equation of the line.



7. Sketch the graph of a line with 0 slope.

8. Describe the slope of the line,  $\ell$ , graphed to the right.



9. Hurts Rent-a-car charges \$24/day for an economy car rental and an additional \$45 (per rental) for their insurance package. Write a formula giving the cost,  $C$ , of renting a car for  $t$  days.