

# 3.10

## Graphing a Vertical or Horizontal Line

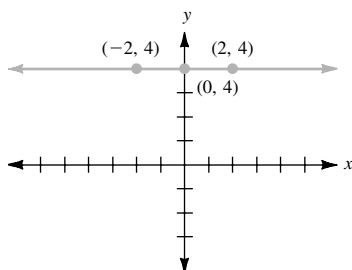
### • Example 1

Graph  $y = 4$ .

Since  $y = 4$  is equivalent to  $0 \cdot x + y = 4$ , any value for  $x$  paired with 4 for  $y$  will form a solution. A table of values might be

$x$	$y$
-2	4
0	4
2	4

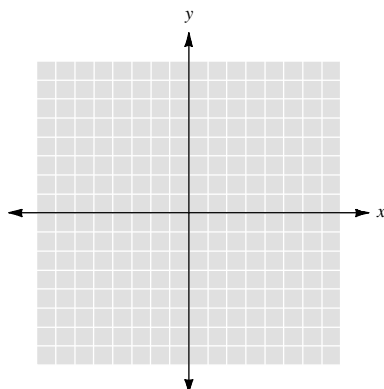
Here is the graph.



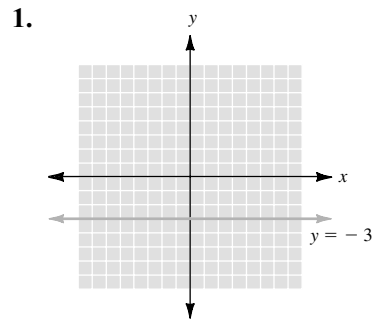
The graph is a horizontal line that crosses the  $y$ -axis at  $(0, 4)$ .

### ● ● ● CHECK YOURSELF 1

Graph the equation  $y = -3$ .



● ● ● CHECK YOURSELF ANSWER



# 3.10 Exercises

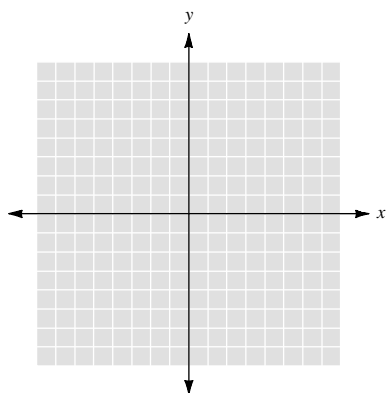
Name \_\_\_\_\_

Section \_\_\_\_\_

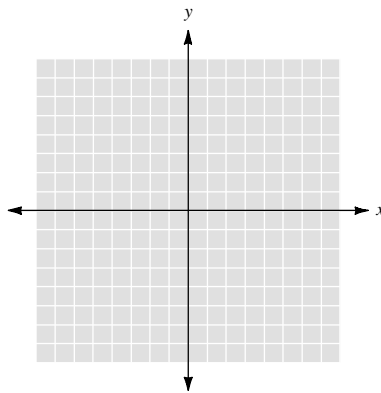
Date \_\_\_\_\_

Graph each of the following equations.

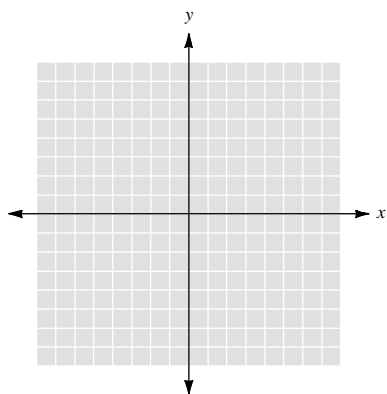
1.  $x = 5$



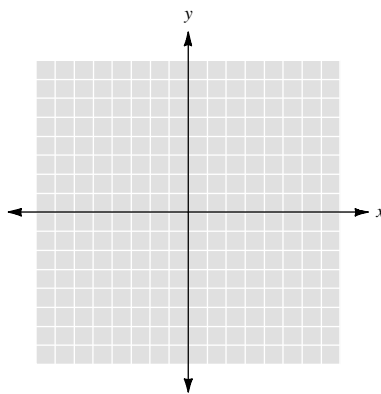
2.  $y = -3$



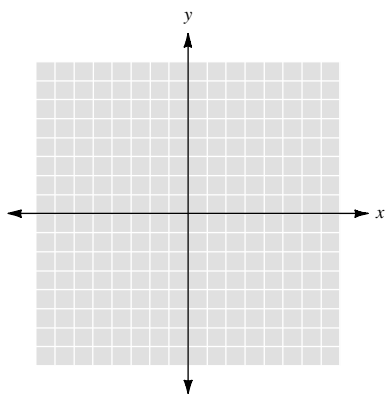
3.  $y = 1$



4.  $x = -2$



5.  $x = 3$



6.  $y = -2$

