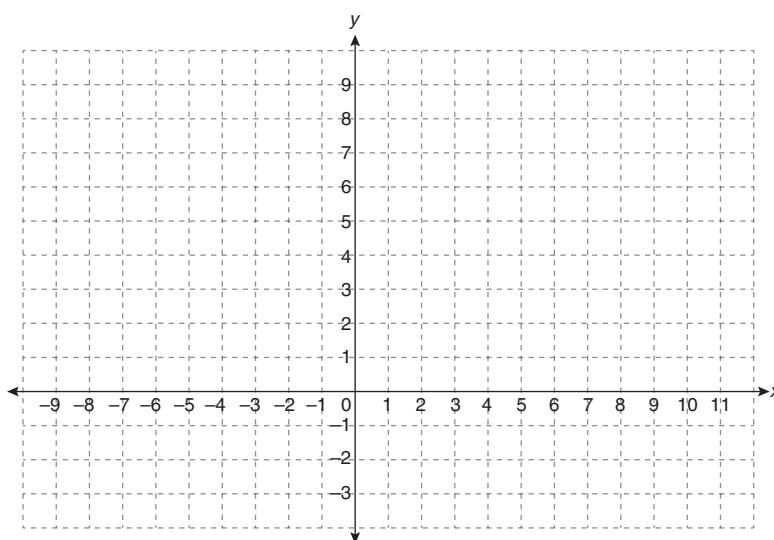## Lesson 6.4: Linear Functions

Complete the *Practice* below. When you have completed all the questions for *Lesson 6.4 Practice – IV* with your best work, mark your work by first comparing your answers to the solutions provided in the *Appendix*. Then, apply the rubric found at the beginning of the *Workbook*.

Practice – IV
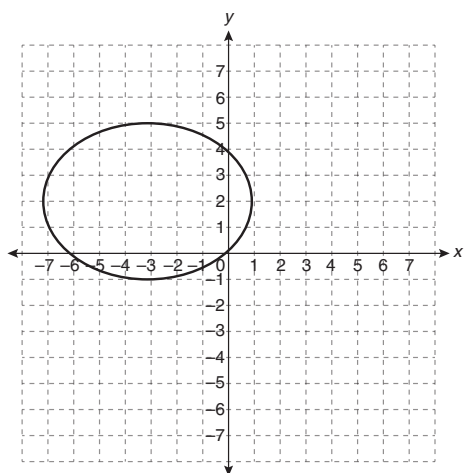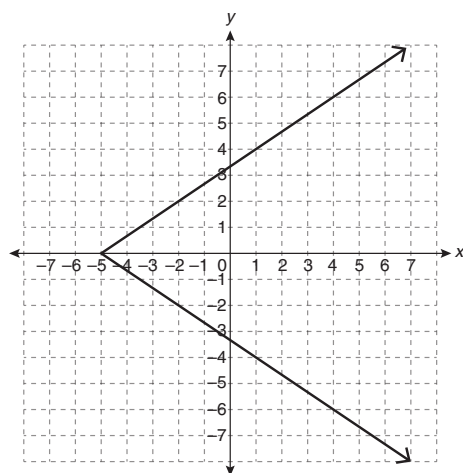
1. Sketch the graph of $y = -\frac{1}{2}x + 3$.

x	y

2. Which set of ordered pairs does **not** represent a function? Explain.

   a. $\{(3,6),(4,9),(5,12),(3,0)\}$
   b. $\{(5,-6),(6,8),(8,10),(9,-10)\}$
   c. $\{(-3,-5),(-4,-8),(-5,-9),(-6,0)\}$
   d. $\{(7,0),(4,-1),(-6,1),(-3,0)\}$

   _____
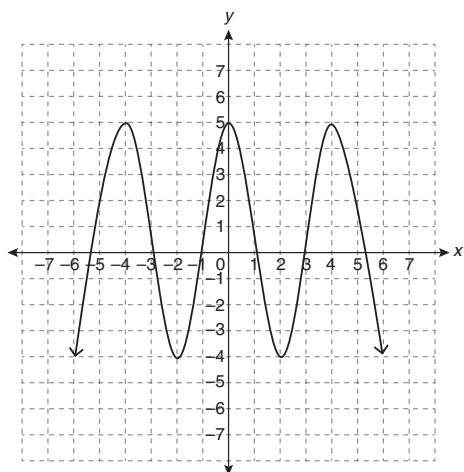
   _____

   _____

   _____

   _____

3. Circle YES if the graph of the relation represents a function or NO if it does not represent a function.

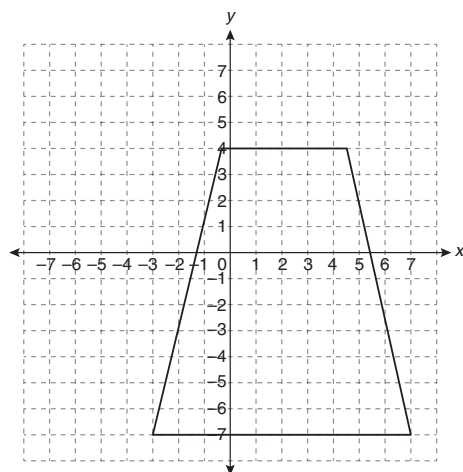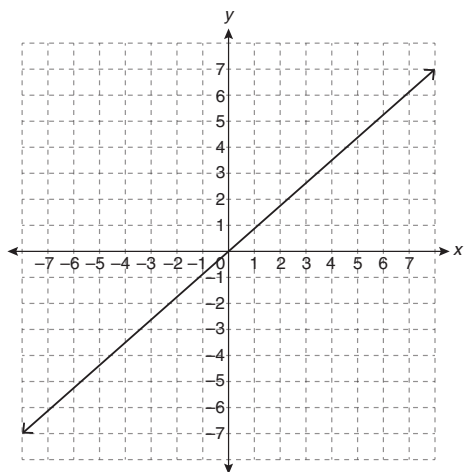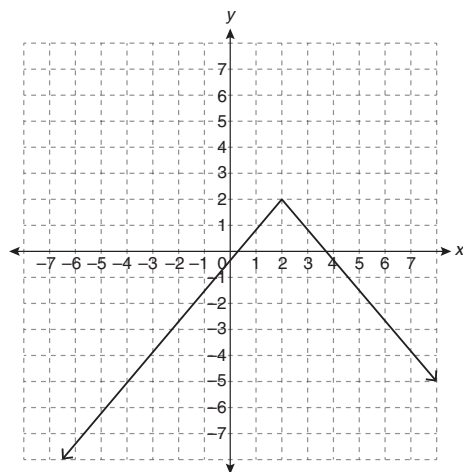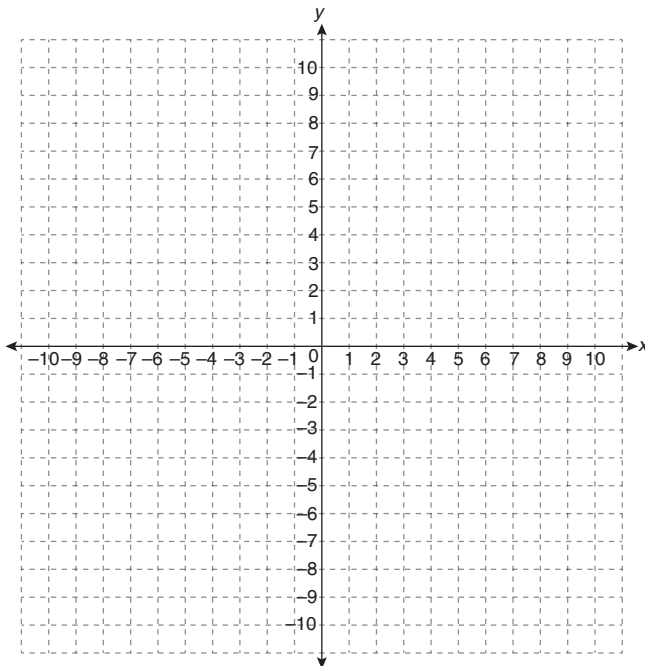YES   NO

YES   NO

YES   NO

YES   NO

YES   NO

YES   NO

4.   Given $g(x) = 5x - 10$,

   a.   make a table of values for the domain $\{-1, 0, 1, 2, 3\}$.

   b.   graph the function $g(x) = 5x - 10$.

Mark your work for *Lesson 6.4 Practice – IV* using the solutions provided in the *Appendix*. Then, apply the rubric found at the beginning of the *Workbook*.

Transfer your self-assessed mark to the front cover of the *Workbook*.

My self-assessed mark on *Lesson 6.4 Practice – IV* is _____.

Reflect on your understanding of the concepts addressed in the *Practice* exercises in the table provided.

Question Number	Got it!	Almost there…	Need to retry or ask for help.
1			
2			
3			
4			

You may proceed to *Explore Your Understanding Assignment* on the next page of this *Workbook*.
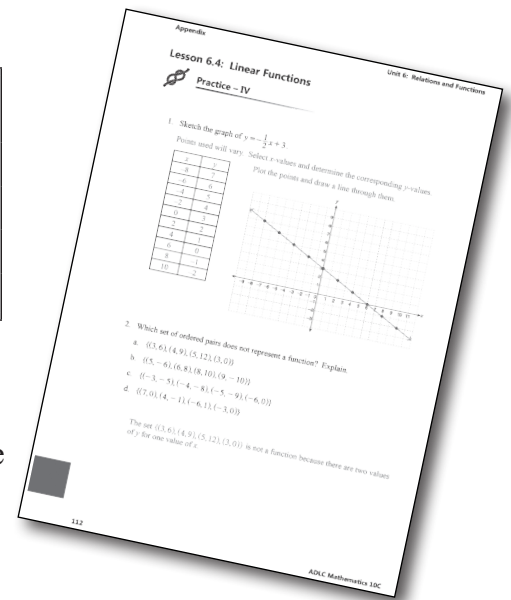
Note: Before you complete *Explore Your Understanding*, you may review your skills and get more practice by completing the following problems in *Mathematics 10*.

- Page 311, #1, 3, 4, 6, 7, and 8
- Page 332, #9, 10, 11, and 13

Check your work in *Enhance Your Understanding*.