

Lesson 6.2: Domain and Range

Complete the *Practice* below. When you have completed all the questions for *Lesson 6.2 Practice – II* 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*.



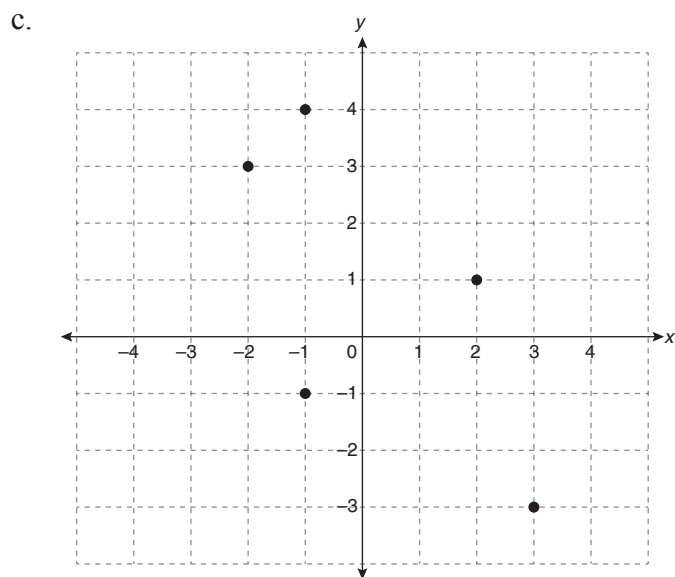
Practice – II

1. Determine the domain and range of the following relations as sets in list form.

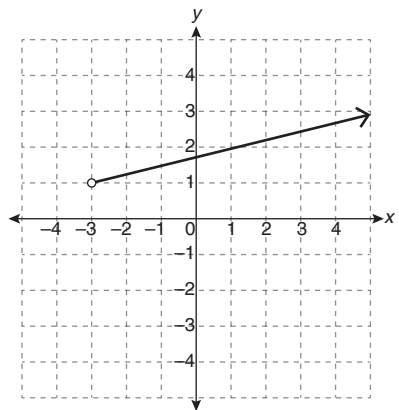
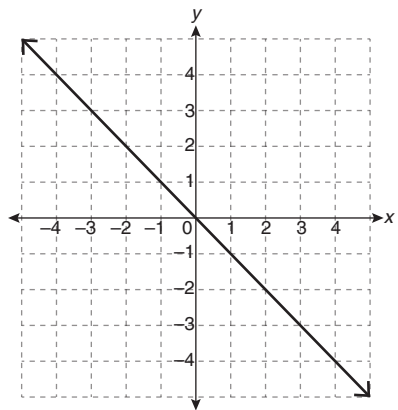
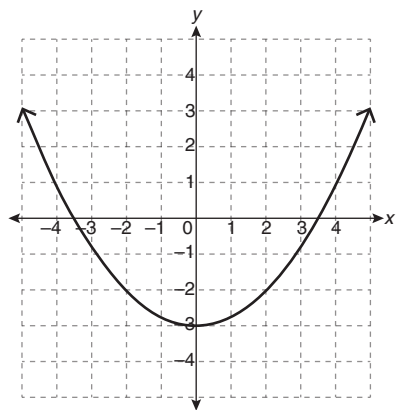
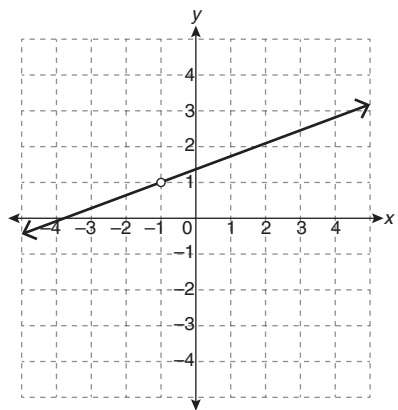
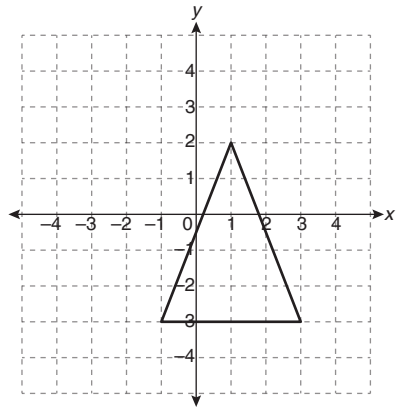
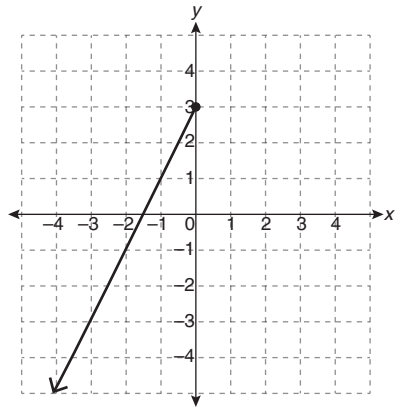
a. $\{(3,6), (6,7), (10,11), (13,17), (14,20)\}$

b.

x	y
-2	-3
-5	5
-8	11



2. State the domain and range of the following relations using set builder notation and interval notation.

 <p>D: R:</p>	 <p>D: R:</p>
 <p>D: R:</p>	 <p>D: R:</p>
 <p>D: R:</p>	 <p>D: R:</p>

3. Pop cans can be returned to the bottle depot in exchange for a refunded deposit. Complete the following table.

Number of Pop Cans, n	Refund, r (\$)
1	0.10
2	0.20
5	
10	
12	
15	
43	

- a. State the independent and dependent variables for the relation.

- b. Explain the relationship between the variables.

- c. Explain why there cannot be negative values for this type of relation.

- d. Is the data represented in this situation discrete or continuous? Explain.

- e. Extrapolate how much money would be refunded when 367 pop cans returned.

- f. Determine the domain and range specific to the table of values above.

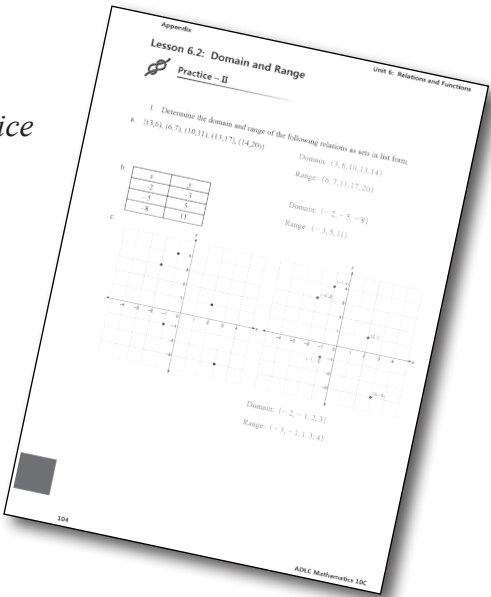
Mark your work for *Lesson 6.2 Practice – II* using the solutions provided in the *Appendix*. Then, apply the rubric found at the beginning of the *Workbook*.

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

My self-assessed mark on *Lesson 6.2 Practice – II* 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			



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 288, #3
- Page 301, #1, 2, 3, 4, 5, 6, and 7
- Page 332, #7 and 8

Check your work in *Enhance Your Understanding*.

