

Lesson 6.1: Absolute Value and Absolute Value Functions

Complete the *Practice* below. When you have completed all the questions for *Lesson 6.1 Practice – II* with your best work, mark your work by first comparing your answers to the solutions provided in *Appendix 2: Solutions*. Then, apply the rubric found at the beginning of the *Workbook*.

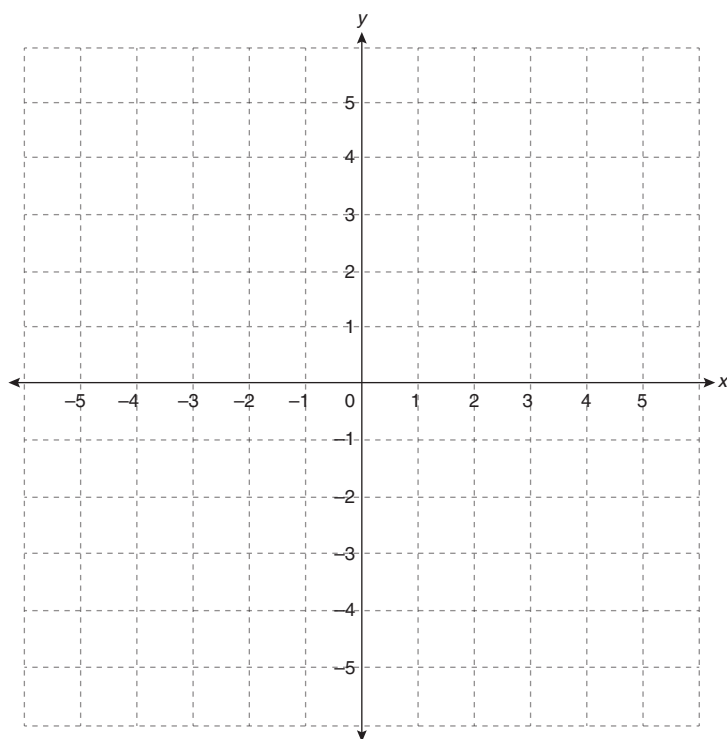
**Practice – II**

1. Complete the following table of values.

x	$f(x)$	$ f(x) $
-5	20.5	
-4	14	
-3	8.5	
-2	4	
-1	0.5	
0	-2	
1	-3.5	
2	-4	
3	-3.5	
4	-2	
5	0.5	

2. Consider the equation of the function $y = |x^2 - 4|$.
- a. Determine any x -intercepts and y -intercepts on the graph of the function.

- b. Graph the function.



- c. State the domain and range of the function.

- d. Express the function using piecewise notation.

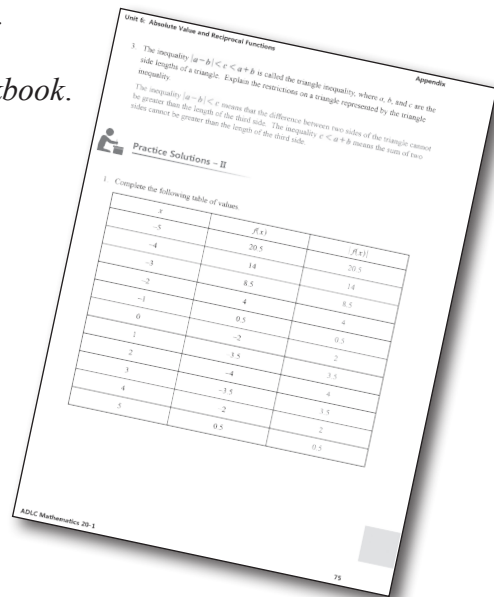
- 3. Describe a process that can be used to write any absolute value function as a piecewise function.

Mark your work for *Lesson 6.1 Practice – II* using the solutions provided in *Appendix 2: Solutions*. 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 6.1 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.	Similar questions from <i>Pre-Calculus 11</i>
1				p.375 #1b, 5a, 7a
2				p.376 #3, 6b, 8b, 12
3				p.377 #9a, 11b

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 *Pre-Calculus 11*.

- Page 363, #6ace, 7ace, and 9
- Page 375, #1b, 3, 5a, 6b, 7a, 8b, 9a, 11b, and 12

Check your work in *Enhance Your Understanding*.

