Practice Assessment

Practice provides practice and allows you to self-reflect on your conceptual understanding of the *Lesson* skills. You will mark your work for *Practice* in each *Workbook* according to the following rubric.

Category	Strategy and Procedures	Response to Questions
	I have…	*I have…*
4	• used efficient and effective strategies to solve the problem(s)	• provided detailed explanations and followed directions appropriately to complete all questions
3	• used effective strategies to solve the problem(s)	• provided clear explanations and followed directions adequately to complete most questions
2	• used effective strategies inconsistently to solve the problem(s)	• provided incomplete explanations and followed some directions to complete a few questions
1	• used ineffective strategies to solve the problem(s)	• provided incomplete explanations and have not followed directions to complete some questions

Complete *Practice* exercises using your best work, showing all relevant steps needed to arrive at your solution. Refer to the *Module* to review lesson instructions. Contact your teacher for assistance or clarification as needed, or to investigate the topic further.

Check and correct your work using the solutions provided in *Appendix 2: Solutions* in the *Module*.

Practice is worth 8 marks; your mark can help you gauge your understanding of *Lesson* material.

After you have assessed your work, reflect on your understanding of the concepts addressed in the *Practice* exercises in the table provided.

Lesson 3.1: Introduction to Radicals

Complete the *Practice* below. When you have completed all the questions for *Lesson 3.1 Practice – I* 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 – I

1. Simplify the following radicals.

    a. $\sqrt{180}$

    b. $\sqrt[3]{72h^3}$

2. Write the following radicals as entire radicals.

    a. $4\sqrt{21}$

b. $2\sqrt[4]{7}$

3.   Order the following radicals from smallest to largest, without using a calculator.

$$6, 5\sqrt[3]{7}, 5\sqrt[3]{2}, \sqrt[3]{155}, 3\sqrt[3]{6}$$

4.   Identify the restrictions on the variables for the following radical expressions.

a. $3\sqrt{5n}$

b.　$\sqrt[4]{y-5} - 1$

c.　$\dfrac{1}{2a}\sqrt{7a}$

Mark your work for *Lesson 3.1 Practice – I* 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 3.1 Practice – I* is _____.

Reflect on your understanding of the concepts addressed in the *Practice* exercises in the table provided.
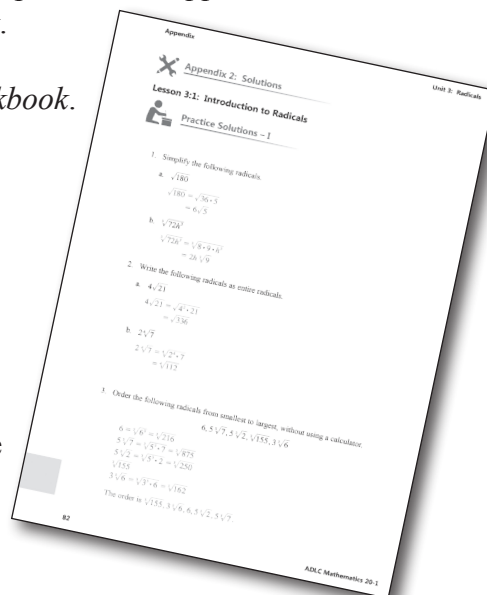
Question Number	Got it!	Almost there…	Need to retry or ask for help.	Similar questions from *Pre-Calculus 11*
1				p. 278 #2abc
2				p. 278 #1
3				p. 279 #6
4				p. 278 #2d, 3ac

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 278 #1, 2, 3ac, and 6

Check your work in *Enhance Your Understanding*.