

Coach's Corner Assessment

Coach's Corner provides practice and allows you to self-reflect on your conceptual understanding of the *Lesson* skills. Assessment of your work in *Coach's Corner* will be combined into two overall completion marks, one for *Workbook A* and one for *Workbook B*. Your work for *Coach's Corner* in each *Workbook* will be assessed according to the rubric provided.

Category	Strategy and Procedures	Response to Questions
	<i>The student...</i>	<i>The student...</i>
4	<ul style="list-style-type: none"> uses efficient and effective strategies to solve the problem(s) 	<ul style="list-style-type: none"> provides detailed explanations and follows directions appropriately to complete all questions
3	<ul style="list-style-type: none"> uses effective strategies to solve the problem(s) 	<ul style="list-style-type: none"> provides clear explanations and follows directions adequately to complete most questions
2	<ul style="list-style-type: none"> uses effective strategies inconsistently to solve the problem(s) 	<ul style="list-style-type: none"> provides incomplete explanations and follows some directions to complete a few questions
1	<ul style="list-style-type: none"> does not use effective strategies to solve the problem(s) 	<ul style="list-style-type: none"> provides incomplete explanations and does not follow directions to complete some questions

Complete *Coach's Corner* 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 *Equipment Room* in the *Module*.

Coach's Corner is worth 8 marks.

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

Unit 1: Radicals Lesson 1.1



Coach’s Corner – I

1. Fill in the blanks.

$\sqrt{1}$	= 1
$\sqrt{\quad}$	= 2
$\sqrt{9}$	
$\sqrt{\quad}$	= 4
$\sqrt{\quad}$	= 5
$\sqrt{\quad}$	
$\sqrt{49}$	
$\sqrt{\quad}$	= 8

$\sqrt{81}$	
$\sqrt{\quad}$	= 10
$\sqrt{121}$	
$\sqrt{\quad}$	
$\sqrt{\quad}$	
$\sqrt{\quad}$	
$\sqrt{225}$	
$\sqrt{\quad}$	

These are the first 16 whole number
Principal Square Roots of perfect squares.



2. Evaluate the following radicals and round to the nearest hundredth where needed.

a. $\sqrt{3}$

b. $\sqrt{1.483}$

c. $\sqrt{0.00025}$

d. $\sqrt{1600}$

3. Reorder the following radicals from least to greatest.

$\sqrt{0.143}$

$\sqrt{3}$

$\sqrt{144}$

$\sqrt{625}$

$\sqrt{471}$

$\sqrt[3]{0.001}$

4. Simplify.

a. $\sqrt[3]{27}$

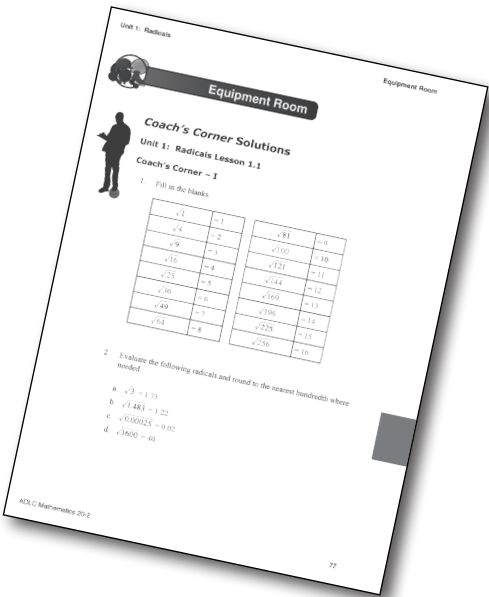
b. $\sqrt{289}$

5. Find the square root of 9.869604401. What is the result related to and how or where can it be used to help in math calculations? [**Hint:** circles]

Please go to the *Equipment Room* to check your solutions before returning to *Lesson 1.1*.

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

Question Number	Got it!	Almost there...	Need to retry or ask for help.
1			
2			
3			
4			
5			



Unit 1: Radicals Lesson 1.1**Coach's Corner – II**

1. Determine the prime factors for the numbers below using the prime factorization tree method. Show all steps.

a. 405

b. 2592

2. Express each of the following as a mixed radical in simplest form.

a. $\sqrt{72}$

b. $\sqrt[3]{81}$

3. Express each of the following as an entire radical.

a. $3^3\sqrt{2}$

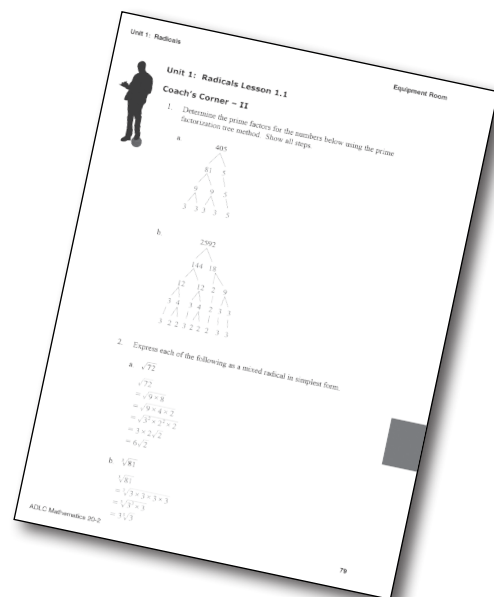
b. $2\sqrt{5}$

c. $4\sqrt{8}$

Please go to the *Equipment Room* to check your solutions before proceeding to *Game On!* on the next page of this *Workbook*.

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

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



Note: Before you complete *Game On!*, you may review your skills and get more practice by completing the following problems in *Principles of Mathematics 11*.

- Page 182 #1a, b, d, e, 5a, b, d, 9, 10b, 11a, 13, 20
- Page 188 2a, 2b, 4a, 4b, 5b, 6c, 7

Check your work in *Strengthening and Conditioning*.

