

Lesson 4.2: Primary Trigonometric Ratios

Complete the *Practice* below. When you have completed all the questions for *Lesson 4.2 Practice – III* 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 – III

1. Consider the equation $\cos \theta = -\frac{2}{3}$ for $0^\circ \leq \theta < 360^\circ$.
 - a. Sketch a diagram showing the two possible terminal arms of θ , in standard position.

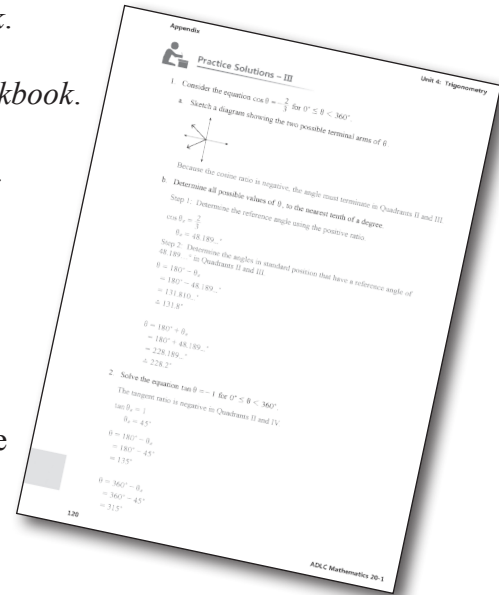
 - b. Determine all possible values of θ , to the nearest tenth of a degree.

Mark your work for *Lesson 4.2 Practice – III* 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 4.2 Practice – III* 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. 96 #7, 8ac, 16 |
| 2 | | | | p. 97 #9ace |
| 3 | | | | p. 97 #12, 13 |
| 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 *Pre-Calculus 11*.

- Page 96 #2, 3ac, 4ac, 5ac, 6, 7, 8ac, 9ace, 12, 13, 16, 18ace, and 19

Check your work in *Enhance Your Understanding*.

