Lesson 2.2: Factoring Polynomials

Complete the *Practice* below. When you have completed all the questions for *Lesson 2.2 Practice – III* 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 – III

1. Factor the following polynomial expressions.

   a. $x^2 - 10x + 25$

   b. $3x^2 - 2x - 8$

2.   Factor the polynomial expression $-2(n+3)^2 + 12(n+3) + 14$.

3.   Factor the following differences of squares.

a. $x^4 - 121y^2$

b. $7a^2 - 175b^4$

4.   Factor $25(n-5)^2 - (m+4)^2$ as a difference of squares.

Mark your work for *Lesson 2.2 Practice – III* 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 2.2 Practice – III* is _____.

Reflect on your understanding of the concepts addressed in the *Practice* exercises in the table provided.
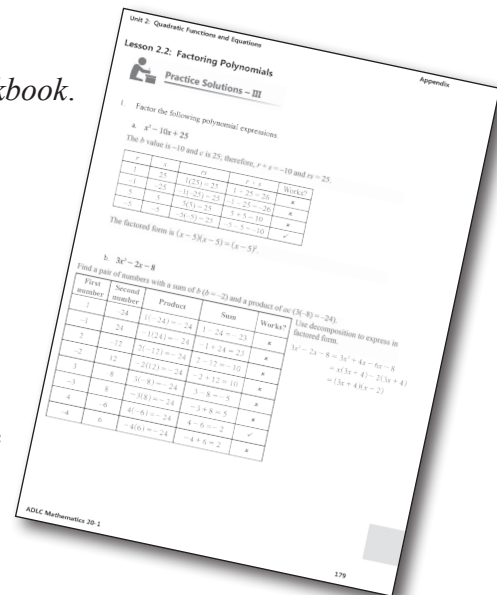
Question Number	Got it!	Almost there…	Need to retry or ask for help.	Similar questions from *Pre-Calculus 11*
1				p. 229 #1, 2, 3ac
2				p. 230 #5ab
3				p. 230 #4
4				p. 230 #5c

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 229, #1, 2, 3ac, 4, and 5

Check your work in *Enhance Your Understanding*.