

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>I have...</i>	<i>I have...</i>
4	<ul style="list-style-type: none"> used efficient and effective strategies to solve the problem(s) 	<ul style="list-style-type: none"> provided detailed explanations and followed directions appropriately to complete all questions
3	<ul style="list-style-type: none"> used effective strategies to solve the problem(s) 	<ul style="list-style-type: none"> provided clear explanations and followed directions adequately to complete most questions
2	<ul style="list-style-type: none"> used effective strategies inconsistently to solve the problem(s) 	<ul style="list-style-type: none"> provided incomplete explanations and followed some directions to complete a few questions
1	<ul style="list-style-type: none"> used ineffective strategies to solve the problem(s) 	<ul style="list-style-type: none"> 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 7.4: Quadratic Inequalities in One Variable

Complete the *Practice* below. When you have completed all the questions for *Lesson 7.4*

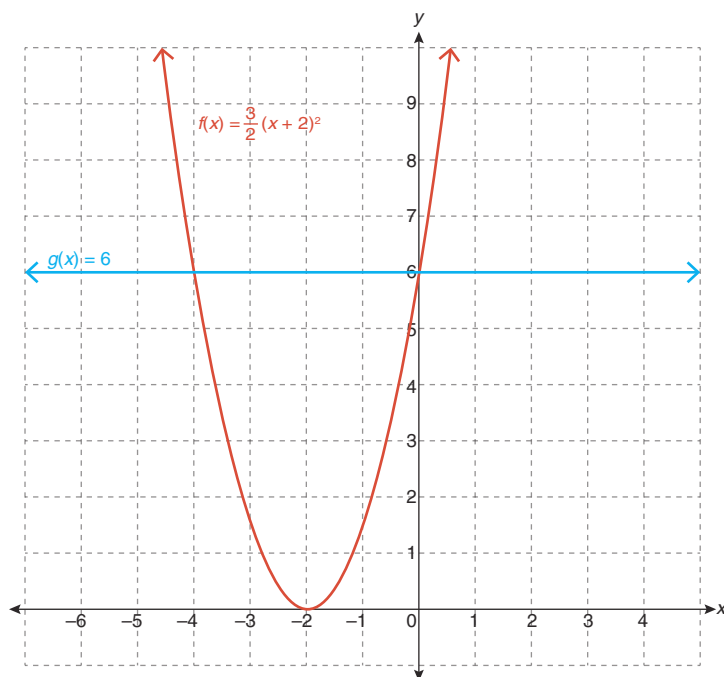
Practice – IV with your best work, mark your work by first comparing your answers to the solutions provided in *Appendix 2: Solutions*. Then, apply the rubric found at the beginning of the *Workbook*.



Practice – IV

1. Solve the inequality $(x + 3)(x - 5) < 0$. Represent the solution symbolically and on a number line. Verify the solution.

2. While trying to solve the inequality $\frac{3}{2}(x+2)^2 \geq 6$, Abigail drew the following graph.



- a. Explain how this graph can be used to solve the inequality.

- b. Solve the inequality.

3. Solve $x^2 < 2x + 6$. Represent the solution symbolically and on a number line.

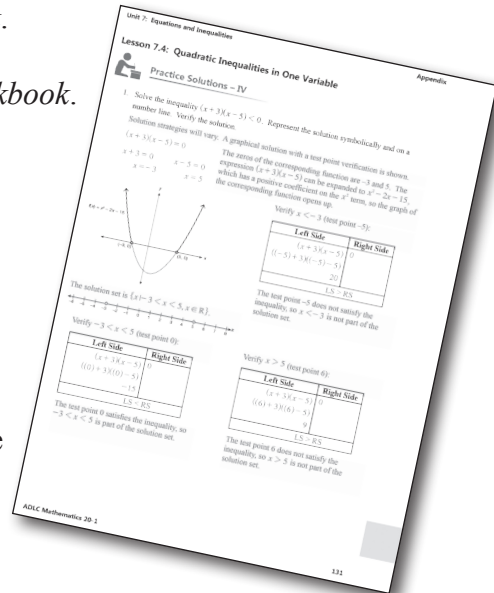
4. If the quadratic function corresponding to a quadratic inequality has no real zeros, the solution set for the inequality will either be empty or include all real numbers. Explain why this is true.

Mark your work for *Lesson 7.4 Practice – IV* 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 7.4 Practice – IV* 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.484 #1, 2
2				p.485 #7ab
3				p.485 #4ac
4				

Please return to *Lesson 7.4* to continue your work in *Unit 7: Equations and Inequalities*.