

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 5.3: Rational Equations

Complete the *Practice* below. When you have completed all the questions for *Lesson 5.3*

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 rational equations. Verify the solution(s).

a. $\frac{3x + 7}{4x - 1} = \frac{27}{5}$

b. $\frac{8}{t} + \frac{t}{4} = 3$

c. $\frac{3}{x-2} + \frac{2}{x+2} = \frac{17}{5}$

2. Solve the rational equations. Verify the solution(s).

a. $\frac{3}{x-2} - \frac{4}{x-3} = \frac{-6}{x^2 - 5x + 6}$

b. $\frac{3c^2 - c - 2}{c^2 - 1} = \frac{4c - 1}{c - 1} + \frac{c - 3}{c + 1}$

3. Solve the rational equation $\frac{w}{w+3} - 3 = \frac{-6}{w^2-9}$. Round the answer to the nearest hundredth, and verify the solution(s).

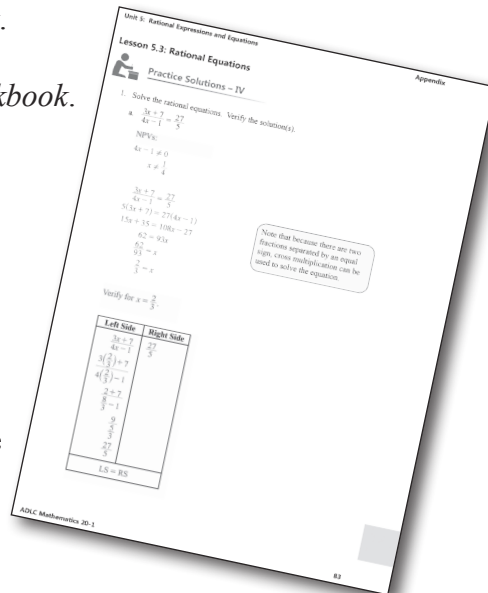
4. Misty solved the rational equation $\frac{4c + 17}{c^2 + c - 6} = \frac{5}{c - 2}$. She says the answer is $c = 2$. Explain why Misty is right or wrong.

Mark your work for *Lesson 5.3 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 5.3 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. 348 #2
2				p. 348 #3
3				p. 348 #6
4				p. 348 #4

Please return to *Lesson 5.3* to continue your work in *Unit 5: Rational Expressions and Equations*.