

## 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"> <li>used efficient and effective strategies to solve the problem(s)</li> </ul>	<ul style="list-style-type: none"> <li>provided detailed explanations and followed directions appropriately to complete all questions</li> </ul>
3	<ul style="list-style-type: none"> <li>used effective strategies to solve the problem(s)</li> </ul>	<ul style="list-style-type: none"> <li>provided clear explanations and followed directions adequately to complete most questions</li> </ul>
2	<ul style="list-style-type: none"> <li>used effective strategies inconsistently to solve the problem(s)</li> </ul>	<ul style="list-style-type: none"> <li>provided incomplete explanations and followed some directions to complete a few questions</li> </ul>
1	<ul style="list-style-type: none"> <li>used ineffective strategies to solve the problem(s)</li> </ul>	<ul style="list-style-type: none"> <li>provided incomplete explanations and have not followed directions to complete some questions</li> </ul>

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 6.3: Reciprocal Functions

Complete the *Practice* below. When you have completed all the questions for *Lesson 6.3*

*Practice – V* 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 – V

1. A pizza is divided equally among  $p$  people.
  - a. Write a reciprocal function,  $A(p)$ , that represents the amount of the pizza each person receives.



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- b. Describe how the amount of pizza and the number of people are related. Is this relationship typical for reciprocal functions?

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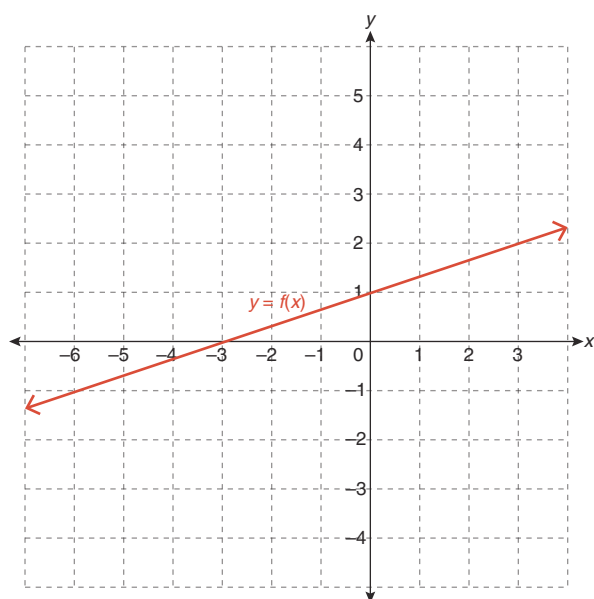
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2. Describe the relationships between the graphs of  $y = f(x)$  and  $y = \frac{1}{f(x)}$ .

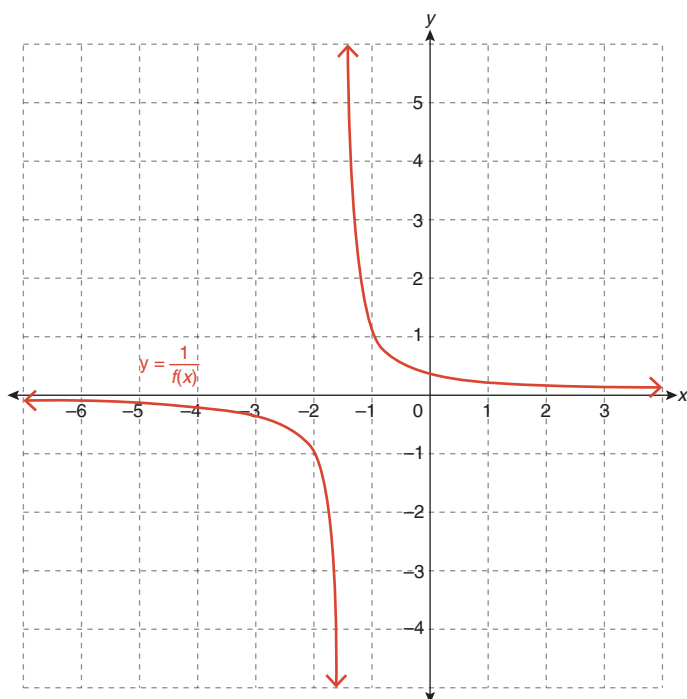
3. For the given graph, determine the location of any asymptotes of  $y = \frac{1}{f(x)}$  and the locations where the graphs of  $y = f(x)$  and  $y = \frac{1}{f(x)}$  will intersect.



4. Sketch the graph of  $y = \frac{1}{2-x}$ .



5. Use the graph of  $y = \frac{1}{f(x)}$  to sketch  $y = f(x)$ .



6. In functions of the form  $y = \frac{1}{f(x)}$ , why do vertical asymptotes occur when  $f(x) = 0$ ?

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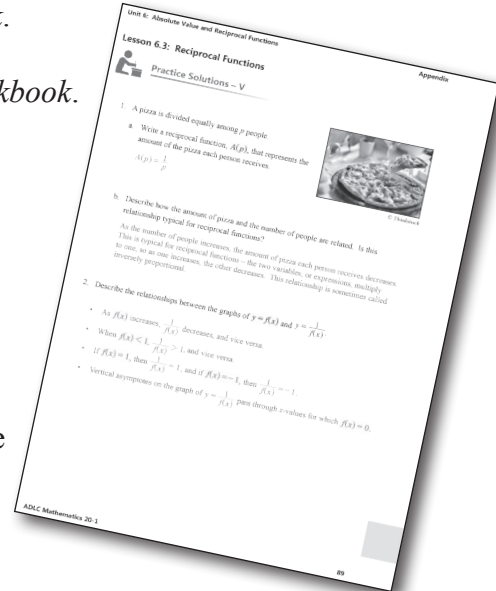
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Mark your work for *Lesson 6.3 Practice – V* using the solutions provided in *Appendix 2: Solutions*. Then, apply the rubric found at the beginning of the *Workbook*.

Transfer your self-assessed mark to the front cover of the *Workbook*.

My self-assessed mark on *Lesson 6.3 Practice – V* 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.403 #1a
2				p.403 #2a
3				p.404 #3a
4				p.404 #7a
5				p.405 #10a
6				p.404 #4

Please return to *Lesson 6.3* to continue your work in *Unit 6: Absolute Value and Reciprocal Functions*.