Name Date

Enrichment and Extension

3.3

You Be the Teacher

In Exercises 1 and 2, use the student solutions below.

Karen



Courtney



1. Did both students get a correct solution?

2. Is one student’s answer more complete? If so, which one? Explain.

3. A student asks you how to solve  Describe your explanation and any math steps you would show.

4. Describe Mario’s solution. Did he get the correct answers? Explain.

Mario



5. Kelly looks at Mario’s solutions and does not understand why  is   
a solution. She thought absolute value could not be negative. Explain Kelly’s error.

6. Pat says the solutions of  are  and  What mistake did Pat make? Explain.

7. A student asks you if every absolute value equation has two solutions. How would you respond? Explain.

8. Give an example of an absolute value equation with (a) one solution,   
(b) two solutions, and (c) no solutions.