7-4 • Guided Problem Solving

GPS Student Page 344, Exercise 22:

Writing in Math Can a quadrilateral be both a rhombus and a rectangle? Explain.

Understand

1. What are you being asked to do?

2. In order to answer this question, what definitions do you need to know?

Plan and Carry Out

3. What is a quadrilateral?

4. What is a rhombus?

5. What is a rectangle?

6. Can a quadrilateral be both a rhombus and a rectangle?

Check

7. Explain your answer to Step 6 by giving an example of a shape that is both a rhombus and a rectangle.

Solve Another Problem

8. If all squares are types of rectangles, are all rhombuses types of rectangles? Explain.