Name _____   Date _____

1. Answer the questions by checking the box.

	Sometimes	Always
a. Is a square a rectangle?		
b. Is a rectangle a kite?		
c. Is a rectangle a parallelogram?		
d. Is a square a trapezoid?		
e. Is a parallelogram a trapezoid?		
f. Is a trapezoid a parallelogram?		
g. Is a kite a parallelogram?		

h. For each statement that you answered with *sometimes*, draw and label an example that justifies your answer.

2. Use what you know about quadrilaterals to answer each question below.
    a. Explain when a trapezoid is not a parallelogram. Sketch an example.

    b. Explain when a kite is not a parallelogram. Sketch an example.

Answer Key

1.   a.   Always

      b.   Sometimes

      c.   Always

      d.   Always

      e.   Always

      f.   Sometimes

      g.   Sometimes

      h.   Drawings will vary.

2.   a.   Explanations will vary.

      b.   Explanations will vary.