Name _____   Date _____

1. Answer the questions by checking the box.
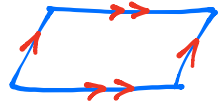
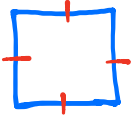|	Sometimes	Always
a. Is a square a rectangle?		✓
b. Is a rectangle a kite?	✓	
c. Is a rectangle a parallelogram?		✓
d. Is a square a trapezoid?		✓
e. Is a parallelogram a trapezoid?		✓
f. Is a trapezoid a parallelogram?	✓	
g. Is a kite a parallelogram?	✓	

   h. For each statement that you answered with "sometimes," draw and label an example that justifies your answer.
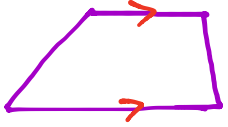
b. *When the rectangle is a square*

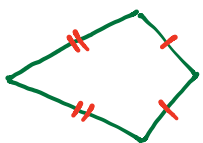f. *When the trapezoid has 2 pairs of parallel sides.*

g. *When the kite is also a square.*

2. Use what you know about quadrilaterals to answer each question below

   a. Explain when a trapezoid is not a parallelogram. Sketch an example.

   When the trapezoid has only 1 pair of parallel sides.

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

   When adjacent sides are congruent, but opposite sides are not parallel.