

Name \_\_\_\_\_

Date \_\_\_\_\_

1. Match the polygons with their appropriate clouds. A polygon can match to more than 1 cloud.

All sides are equal

All sides are not equal

At least 1 right angle

At least 1 set of parallel sides

hexagon

square

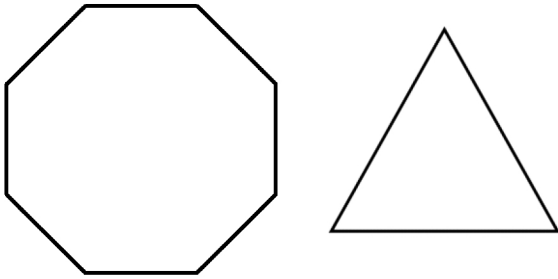
rectangle

pentagon

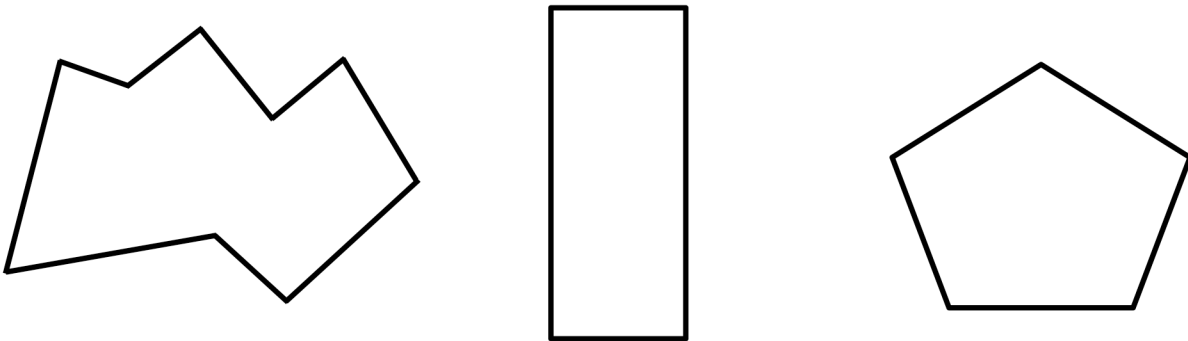
regular octagon

decagon

2. The two polygons below are regular polygons. How are these polygons the same? How are they different?



3. Lucia draws the polygons below. Are any of the polygons she drew regular polygons? Explain how you know.



## Answer Key

1. Hexagon matches *At least 1 right angle* and *All sides are not equal*  
Rectangle matches *At least 1 right angle*, *All sides are not equal*, and *At least 1 set of parallel sides*  
Regular octagon matches *All sides are equal* and *At least 1 set of parallel sides*  
Decagon matches *All sides are not equal*  
Pentagon matches *All sides are not equal*  
Square matches *All sides are equal*, *At least 1 right angle*, and *At least 1 set of parallel sides*
2. Answers will vary.
3. Yes; explanations will vary.