

Name _____

Date _____

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

The diagram shows four clouds with the following text:

- Cloud 1: All sides are equal
- Cloud 2: All sides are not equal
- Cloud 3: At least 1 right angle
- Cloud 4: At least 1 set of parallel sides

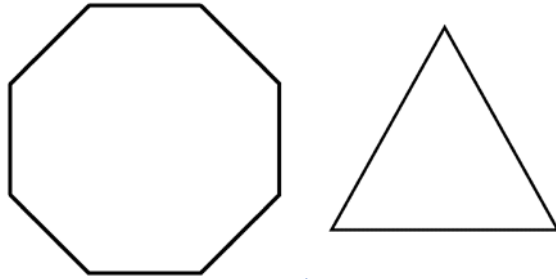
The polygons shown are:

- hexagon
- square
- rectangle
- regular octagon
- pentagon
- decagon

Connections (lines):

- Red line: All sides are equal → regular octagon
- Green line: All sides are not equal → hexagon
- Blue line: All sides are not equal → pentagon
- Magenta line: All sides are not equal → decagon
- Orange line: At least 1 right angle → square
- Purple line: At least 1 right angle → rectangle
- Grey line: At least 1 set of parallel sides → rectangle
- Dark red line: At least 1 set of parallel sides → decagon

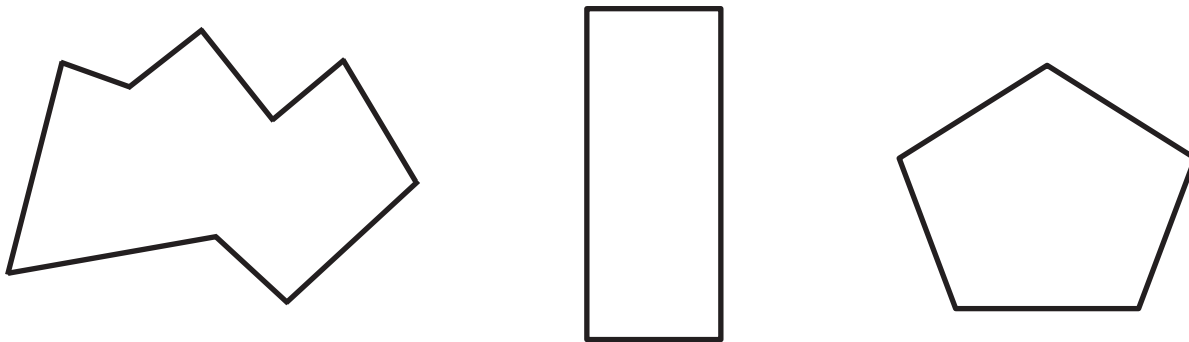
2. The two polygons below are regular polygons. How are these polygons the same? How are they different?



They are the same because each polygon is made up by sides of equal length.

They are different because they have a different number of sides.

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



Yes. It appears as though the pentagon is a regular pentagon.