Name: _____   Date: _____

ANSWERS Characteristics of Hexagons

A **hexagon** is a polygon that has:
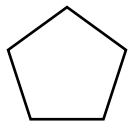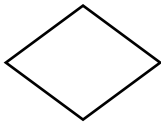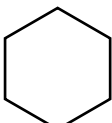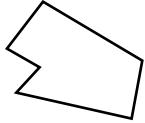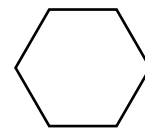- Six sides
- Six angles
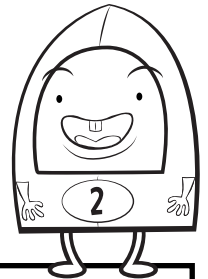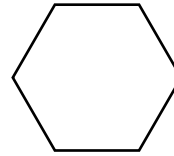
Part 1 - Is it a Hexagon?

Directions: *Look at the shapes and decide whether or not each is a hexagon. Then explain how you know. Be sure to mention the characteristics!*

Shape	Is it a hexagon?	Explanation
(pentagon)	No	This shape cannot be considered a hexagon because it only has 5 sides and 5 angles, and a hexagon has 6 of each.
(rhombus)	No	This shape is not a hexagon because it is a four-sided figure with 4 angles. A hexagon has 6 sides and 6 angles.
(hexagon)	Yes	This shape is an example of a hexagon because it has six sides and six angles.
(irregular hexagon)	Yes	This shape is a hexagon because it has six sides and six angles. (This is an irregular hexagon.)

Part 2 - Compare Shapes

Directions: *Compare the shapes and answer the questions that follow.*

What do the two shapes have in common? What is different about the two shapes?

The hexagon and rhombus have similarities because they both have straight lines and angles. However, they are different because the hexagon has six sides and six angles, while the rhombus has 4 sides and 4 angles.