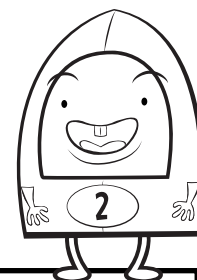
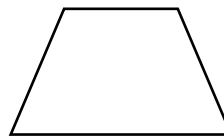



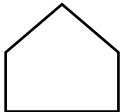

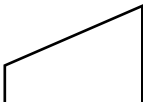
ANSWERS**Characteristics of Trapezoids**

A **trapezoid** is a quadrilateral that has:

- Four sides
- Four corners
- At least one set of parallel lines

**Part 1 - Is it a Trapezoid?**

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

Shape	Is it a trapezoid?	Explanation
	Yes	This is a trapezoid because it is a shape with four sides, four angles, and one set of parallel lines.
	No	This shape is not a trapezoid because it has five sides and angles. A trapezoid only has four sides and angles. While it does have a set of parallel lines, it has more sides and angles than a trapezoid.
	No	This shape has six sides, so it is not a trapezoid. Even though it has parallel lines, it does not fit the requirements of having only 4 sides.
	Yes	This shape is a trapezoid because it is a four-sided figure with four angles and a set of parallel lines.

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 pentagon and trapezoid are both two-dimensional shapes, but they are different because they have a different number of sides and angles. A pentagon has five sides and angles, while a trapezoid has four sides and angles. A trapezoid has at least one set of parallel lines and a pentagon does not have any parallel lines.