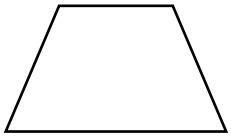
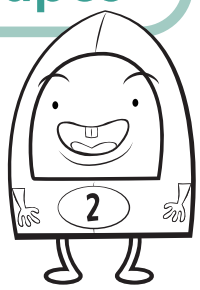
Name: _____ Date: _____

ANSWERS Geometry: Comparing Trapezoids & Other Shapes

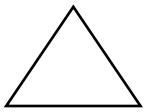
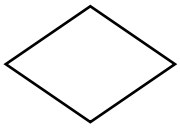
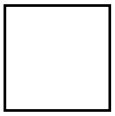
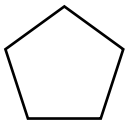
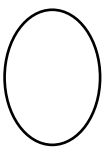
A **trapezoid** is a quadrilateral that has:

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





Directions: *Compare the two-dimensional shapes below with a trapezoid. Complete the chart.*

Shape	Sides	Angles	Sets of Parallel Lines	How does the shape compare to a trapezoid?
Ex:	4	4	2	They are similar because they have four sides and angles and parallel lines. They are different because the rectangle has two sets of parallel lines and four right angles. The trapezoid has one set of parallel lines and no right angles.
1 	3	3	0	They are similar because they both have straight lines. However, a triangle has three sides and angles and no parallel lines, while a trapezoid has four sides and angles and one set of parallel lines.
2 	4	4	2	A diamond has four sides and four angles, like a trapezoid. However, a trapezoid only has one set of parallel lines, while the diamond has two sets.
3 	4	4	2	The square is similar to the trapezoid because it has four sides, four angles, and parallel lines. However, it has two sets of parallel lines, while the trapezoid only has one set. The square also has four right angles and the trapezoid has none.
4 	5	5	0	The pentagon does not have any parallel lines, and the trapezoid has one set. Additionally, the pentagon is different from the trapezoid because it has five sides and five angles, while the trapezoid has four sides and four angles.
5 	0	0	0	The only similarity between the oval and trapezoid is that they are both 2-D shapes. The oval does not have any straight sides, so it has no angles, sides, or parallel lines. The trapezoid is made up of only straight sides, has no curved sides, has four sides and angles, and has one set of parallel lines.

© ThuVienTiengAnh.Com