

Name: _____ Date: _____ Class: _____

Short Quiz / Exit Slip: Classifying Polygons

Part A: Multiple Choice: Instructions: Choose the option that completes the sentence or answers the question.

1. An Octagon has _____ sides.
 - a. 4
 - b. 6
 - c. 8
 - d. 12

2. A Quadrilateral has _____ sides.
 - a. 4
 - b. 6
 - c. 8
 - d. 12

3. All of the following are regular polygons EXCEPT:
 - a. Square
 - b. Equilateral Triangle
 - c. Rectangle
 - d. Rhombus

4. Which of the following is NOT a quality of a polygon?
 - a. It is formed by three or more line segments called sides.
 - b. Each side intersects exactly two sides, one at each endpoint, so that no two sides with a common endpoint are collinear.
 - c. They always have more than four sides.
 - d. They are two dimensional.

5. Vertex is...
 - a. the lines segments that form the polygon.
 - b. is an endpoint of a side of the polygon.shows the base of each figure & the height of each part with a number.
 - c. if no line that contains a side of the polygon contains a point in the interior of the polygon.
 - d. is a polygon that is not convex.

6. Convex is...
 - e. the lines segments that form the polygon.
 - f. is an endpoint of a side of the polygon.shows the base of each figure & the height of each part with a number.
 - g. if no line that contains a side of the polygon contains a point in the interior of the polygon.
 - h. is a polygon that is not convex.

Part B: Short Answer: Instructions: Answer the question below.

1. Explain the difference between Equiangular and Equilateral.

Answers:**Short Quiz / Exit Slip: Classifying Polygons**

Part A: Multiple Choice: Instructions: Choose the option that completes the sentence or answers the question.

7. An Octagon has _____ sides.

- a. 4
- b. 6
- c. 8
- d. 12

8. A Quadrilateral has _____ sides.

- a. 4
- b. 6
- c. 8
- d. 12

9. All of the following are regular polygons EXCEPT:

- a. Square
- b. Equilateral Triangle
- c. Rectangle
- d. Rhombus

10. Which of the following is NOT a quality of a polygon?

- a. It is formed by three or more line segments called sides.
- b. Each side intersects exactly two sides, one at each endpoint, so that no two sides with a common endpoint are collinear.
- c. They always have more than four sides.
- d. They are two dimensional.

11. Vertex is...

- i. the lines segments that form the polygon.
- j. is an endpoint of a side of the polygon shows the base of each figure & the height of each part with a number.
- k. if no line that contains a side of the polygon contains a point in the interior of the polygon.
- l. is a polygon that is not convex.

12. Convex is...

- m. the lines segments that form the polygon.
- n. is an endpoint of a side of the polygon shows the base of each figure & the height of each part with a number.
- o. if no line that contains a side of the polygon contains a point in the interior of the polygon.
- p. is a polygon that is not convex.

Part B: Short Answer: Instructions: Answer the question below.

2. Explain the difference between Equiangular and Equilateral.
