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

1. **An Octagon has \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ sides.**
   1. 4
   2. 6
   3. 8
   4. 12
2. **A Quadrilateral has \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ sides.** 
   1. 4
   2. 6
   3. 8
   4. 12
3. **All of the following are regular polygons EXCEPT:**
   1. Square
   2. Equilateral Triangle
   3. Rectangle
   4. Rhombus
4. **Which of the following is NOT a quality of a polygon?** 
   1. It is formed by three or more line segments called sides.
   2. Each side intersects exactly two sides, one at each endpoint, so that no two sides with a common endpoint are collinear.
   3. They always have more than four sides.
   4. They are two dimensional.
5. **Vertex is…**
6. the lines segments that form the polygon.
7. is an endpoint of a side of the polygon.shows the base of each figure & the height of each part with a number.
8. if no line that contains a side of the polygon contains a point in the interior of the polygon.
9. is a polygon that is not convex.
10. **Convex is…**
11. the lines segments that form the polygon.
12. is an endpoint of a side of the polygon.shows the base of each figure & the height of each part with a number.
13. if no line that contains a side of the polygon contains a point in the interior of the polygon.
14. 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.

1. **An Octagon has \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ sides.**
   1. 4
   2. 6
   3. 8
   4. 12
2. **A Quadrilateral has \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ sides.** 
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3. **All of the following are regular polygons EXCEPT:**
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   3. They always have more than four sides.
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5. **Vertex is…**
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8. if no line that contains a side of the polygon contains a point in the interior of the polygon.
9. is a polygon that is not convex.
10. **Convex is…**
11. the lines segments that form the polygon.
12. is an endpoint of a side of the polygon shows the base of each figure & the height of each part with a number.
13. if no line that contains a side of the polygon contains a point in the interior of the polygon.
14. is a polygon that is not convex.

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

1. **Explain the difference between Equiangular and Equilateral.**

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_