**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.**
	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.**

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