Name:

Date:

School:

Facilitator:

4.01 Study Guide

**Match the terms to their definitions.**

1. Polygon a. Line that connect two non-adjacent vertices

2. Convex b. The intersection point of two sides

3. Vertex c. A polygon where all diagonals are contained inside the figure

4. Diagonal d. A polygon where at least one diagonal is found outside the figure

5. Concave e. A closed figure made up of a finite number of sides

6. Side f. When all angles of a figure are equal measures

7. Equilateral g. A line used to create a shape

8. Equiangular h. When all lines of a figure are equal lengths

9. Regular I. A polygon which has all sides equal and all angle measures equal

**Write in the number of sides for each polygon mentioned below**

10. Triangle

11. Pentagon

12. Heptagon

13. Hexagon  `

14. Decagon

15. Quadrilateral

16. Octogon

17. Nonagon

18. Dodecogon

19. 23-a-gon

20. Identify the polygon below. Classify it as convex or concave. State if it is equilateral, equiangular, regular or neither.

**Number of sides:**

**Concave or convex:**

**Equilateral, equiangular, regular, or neither:**

 