Name:

Date:

School:

Facilitator:

4.01 Polygons

**Answer the questions below for each image.**

|  |  |  |
| --- | --- | --- |
| **Description: 7c** | **Description: 7d** | **Description: 200px-Complex_octagon** |
| 1. Is this figure a polygon?      **Answer the questions below only if the figure is a polygon.**1a. Is this polygon concave or convex?      1b. Is this polygon regular, equiangular, equilateral, or none of these?      1c. What is the name of this polygon?       | 2. Is this figure a polygon?      **Answer the questions below only if the figure is a polygon.**2a. Is this polygon concave or convex?      2b. Is this polygon regular, equiangular, equilateral, or none of these?      2c. What is the name of this polygon?       | 3. Is this figure a polygon?      **Answer the questions below only if the figure is a polygon.**3a. Is this polygon concave or convex?      3b. Is this polygon regular, equiangular, equilateral, or none of these?      3c. What is the name of this polygon?       |
|  |  |  |
| **Description: 200px-Irregular_octagon** | **Description: Concave_octagon****All sides are congruent.** | **Description: reg 17****All sides and angles are congruent.** |
| 4. Is this figure a polygon?      **Answer the questions below only if the figure is a polygon.**4a. Is this polygon concave or convex?      4b. Is this polygon regular, equiangular, equilateral, or none of these?      4c. What is the name of this polygon?       | 5. Is this figure a polygon?      **Answer the questions below only if the figure is a polygon.**5a. Is this polygon concave or convex?      5b. Is this polygon regular, equiangular, equilateral, or none of these?      5c. What is the name of this polygon?       | 6. Is this figure a polygon?      **Answer the questions below only if the figure is a polygon.**6a. Is this polygon concave or convex?      6b. Is this polygon regular, equiangular, equilateral, or none of these?      6c. What is the name of this polygon?       |
|  |  |  |

7. Identify the term that does not belong with the other three. Explain your reasoning.

Square

triangle

circle

hexagon