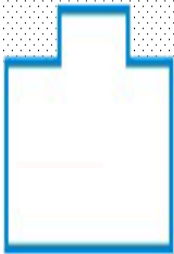**Problem 1.** Determine what type of shapes are below. Underline the correct answer for each shape.
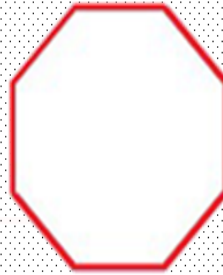
a. pentagon   b. quadrilateral

c. octagon   d. hexagon

a. triangle   b. pentagon

c. quadrilateral   d. hexagon

Problem 2. Determine what type of shapes are below and if they are regular or not regular. Underline the correct answer.

a. Octagon; Regular
b. Pentagon; regular
c. hexagon; regualar
d. pentagon; not regular

a. Octagon; Regular
b. Pentagon; regular
c. hexagon; regualar
d. pentagon; not regular

Problem 3. Use the chart below to answer the question. Write your answer on the line below.

Name	Example	Number of Sides
Triangle		3
Quadrilateral		4
Pentagon		5
Hexagon		6

Name the polygon used to form the back of the chair. Determine if it appears to be regular or not regular.

Problem 4. Write the answer to the question below on the line.

If you knew the combined length of two sides of an equilateral triangle, explain how you would find the length of the third side.

ANSWER