

Name: \_\_\_\_\_ Date: \_\_\_\_\_

Application  
Polygons

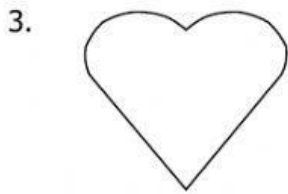
(A) Use the words in the box below to complete the sentences.

hexagon      open      triangle      pentagon      closed      quadrilateral

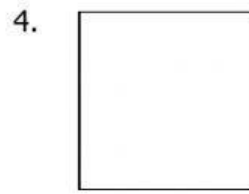
1. A polygon is a \_\_\_\_\_ figure made up of line segments.

2. A \_\_\_\_\_ is a polygon with four sides.

(B) Look at the shapes below. Write *yes* if the figure is a polygon. Write *no* if the figure is not a polygon.

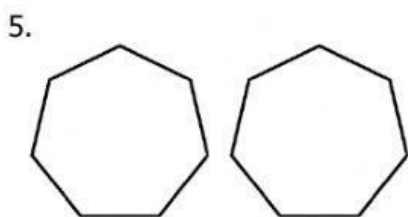


\_\_\_\_\_

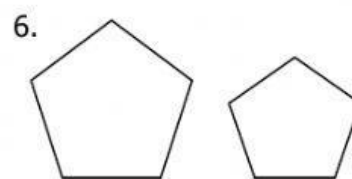


\_\_\_\_\_

(C) Look at the pair of polygons. Write *congruent* or *similar* to identify the polygons.



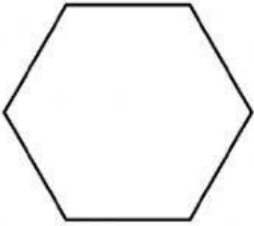
\_\_\_\_\_



\_\_\_\_\_

(D) Write the correct name of the polygons below.

7.



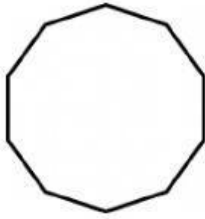
\_\_\_\_\_

8.



\_\_\_\_\_

9.



\_\_\_\_\_

10.



\_\_\_\_\_

11. Which polygon has the least number of sides?

(a) hexagon

(b) nonagon

(c) quadrilateral

(d) pentagon

12. How many sides do you get if you add the sides of an octagon to the sides of a pentagon? (1mk)

(a) 8

(b) 5

(c) 7

(d) 13