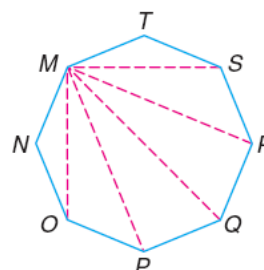**Name:** _____

Polygons

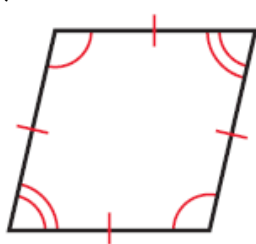**Exercise 1:** Name each part of octagon *MNOPQRST*.

1) Two consecutive vertices
2) Two diagonals
3) All nonconsecutive sides of *PQ*
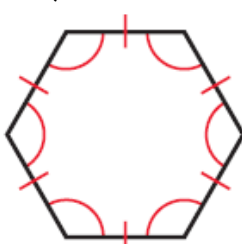4) Any three consecutive sides
5) Any five consecutive vertices

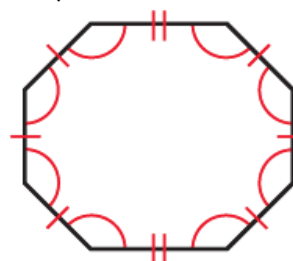**Exercise 2:** Tell whether the polygon is best described as *equiangular, equilateral, regular,* or *none of these.*
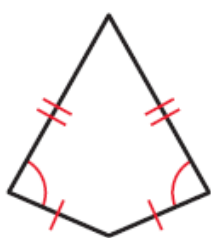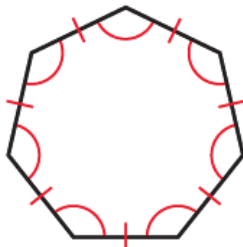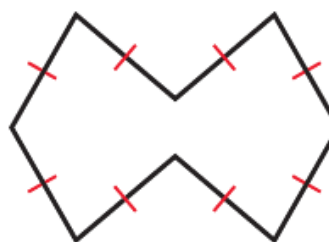
1)

2)

3)

4)

5)

6)

Exercise 3: Classify each polygon. Assume that all sides are straight.

1)

2)

3)

Grade 9

Exercise 4: Use the number of sides of each traffic sign to tell what kind of polygon it is. Specify if it is *equilateral, equiangular, regular,* or *none. Justify your answer.*
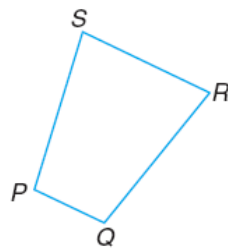
1)

2)

3)

4)

5)

6)

7)

8)

Exercise 5: Find the sum of the measures of the interior angles in each figure.

1)

2)