

Name:

Date:

# Polygons

1. Draw a) a kite b) a rhombus with one  $75^\circ$  angle and (at least) one side 5 cm.

2. Draw quadrilaterals that fit the descriptions. Draw many different kinds and name them.

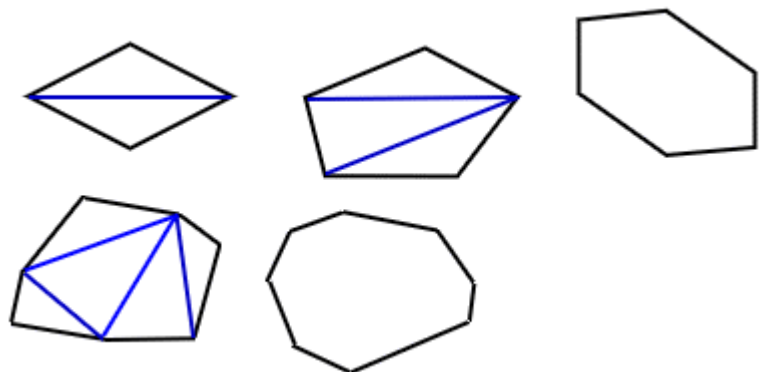
a) quadrilaterals that have TWO pairs of parallel sides

b) quadrilaterals that have at least TWO congruent sides

c) quadrilaterals that fit both of the descriptions above (a and b)

3. Some of the polygons are divided into triangles. Divide the rest of the to triangles as well. Draw a nonagon under the hexagon, and divide it to triangles as well.

Then find the angle sum of each polygon and list your findings here:



4. How many degrees is each angle in a

- a) regular pentagon?
- b) regular hexagon?

5. a) Is this a regular octagon?

b) What is the measure of each of its angles?

c) Use a protractor and a ruler to draw a regular octagon.

