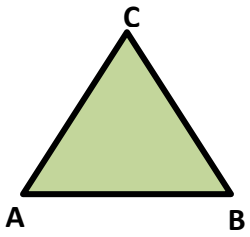
Name: _____ Period: _____ Date: _____

Classifying Polygons Assignment

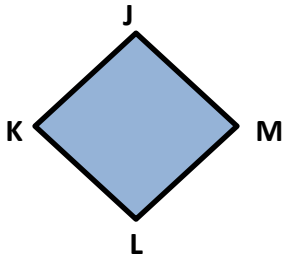
Find the unknown sides or the angles in the questions below, using the classification of polygons.

1. The triangle ABC is equilateral and angle A = 60°:



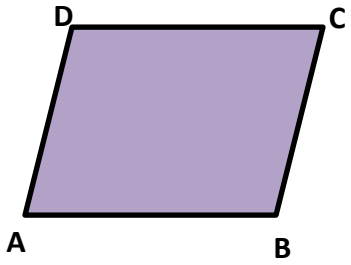
Angle B = _____ ; Angle C = _____

2. The square JKLM is a rhombus and JK = 4 cm:



LM = _____ ; Angle K = _____

3. The parallelogram ABCD has angle A = 80°, angle B = 100°, angle = 80°:



Angle D = _____

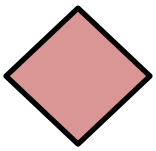
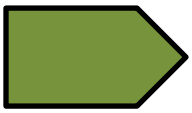
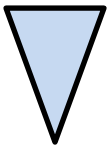
4. An isosceles triangle DEF with angle D = 90°, angle E = 45°:

Angle F = _____

Name: _____ Period: _____ Date: _____

Classifying Polygons Assignment

Match the columns:

	**Trapezium**
	**Hexagon**
	**Parallelogram**
	**Right triangle**
	**Isosceles triangle**
	**Rhombus**
	**Pentagon**
	**Rectangle**

Name: _____ Period: _____ Date: _____

Classifying Polygons Assignment

Find the sum of interior angles for each polygon mentioned:

1. Heptagon

_____

2. Dodecagon

_____

3. Nonagon

_____

4. Pentagon

_____

Find the number of sides in each case, given the sum of interior angles:

1. Angle Sum = 1620°

n = _____

2. Angle Sum = 720°

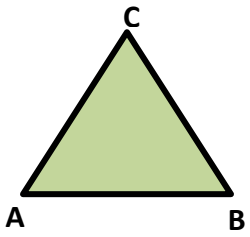
n = _____

Name: _____ Period: _____ Date: _____

Classifying Polygons Assignment

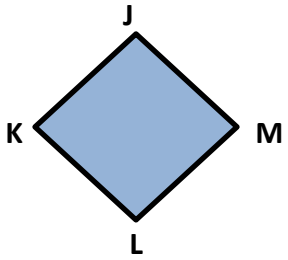
Find the unknown sides or the angles in the questions below, using the classification of polygons.

1. The triangle ABC is equilateral and angle A = 60°:



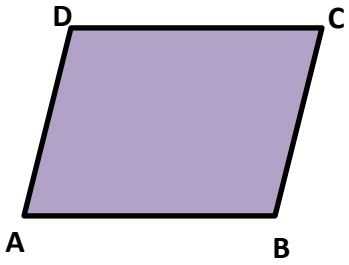
Angle B = _____60°_____ ; Angle C = _____60°_____

2. The square JKLM is a rhombus and JK = 4 cm:



LM = _____4 cm_____ ; Angle K = _____90°_____

3. The parallelogram ABCD has angle A = 80°, angle B = 100°, angle = 80°:



Angle D = _____80°_____

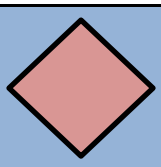
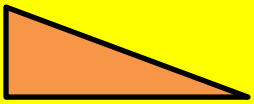
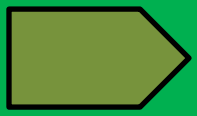
4. An isosceles triangle DEF with angle D = 90°, angle E = 45°:

Angle F = _____45°_____

Name: _____ Period: _____ Date: _____

Classifying Polygons Assignment

Match the columns:

	**Trapezium**
	**Hexagon**
	**Parallelogram**
	**Right triangle**
	**Isosceles triangle**
	**Rhombus**
	**Pentagon**
	**Rectangle**

Name: _____ Period: _____ Date: _____

Classifying Polygons Assignment

Find the sum of interior angles for each polygon mentioned:

1. Heptagon

_____**900°**_____

2. Dodecagon

_____**1800°**_____

3. Nonagon

_____**1260°**_____

4. Pentagon

_____**540°**_____

Find the number of sides in each case, given the sum of interior angles:

1. Angle Sum = 1620°

n = _____**9**_____

2. Angle Sum = 720°

n = _____**6**_____