

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

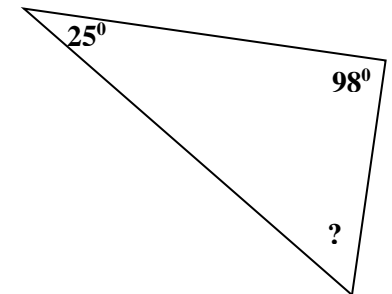
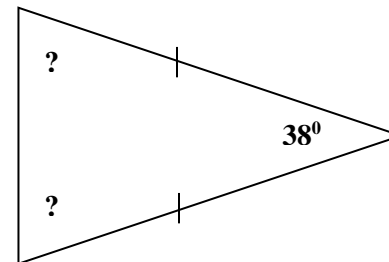
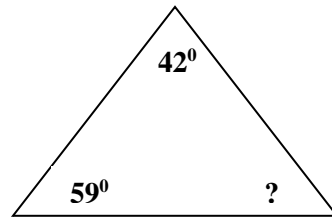
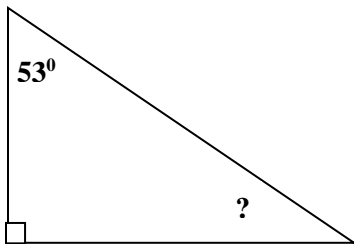
Date: \_\_\_\_\_ Period: \_\_\_\_\_

# Classifying Triangles

Fill in the missing information for each triangle named.

TRIANGLE	Measure of Angle 1	Measure of Angle 2	Measure of Angle 3	Sum of all Angles	Name of Triangle by Angles
Triangle MAD		<b>43<sup>0</sup></b>		<b>180<sup>0</sup></b>	<b>Right Δ</b>
Triangle ZEN	<b>57<sup>0</sup></b>		<b>102<sup>0</sup></b>	<b>180<sup>0</sup></b>	
Triangle POD		<b>60<sup>0</sup></b>	<b>60<sup>0</sup></b>	<b>180<sup>0</sup></b>	<b>Acute Δ</b>
Triangle CAT	<b>35<sup>0</sup></b>		<b>45.5<sup>0</sup></b>	<b>180<sup>0</sup></b>	
Triangle CRY		<b>72<sup>0</sup></b>	<b>72<sup>0</sup></b>	<b>180<sup>0</sup></b>	

Identify the missing measurement for each triangle below and then classify the triangle by its angles. **DO NOT USE A PROTRACTOR.** (Triangles shown are not to scale.)



Missing angle measure: \_\_\_\_\_

Type of triangle: \_\_\_\_\_

Missing angle measure: \_\_\_\_\_

Type of triangle: \_\_\_\_\_

Missing angle measure: \_\_\_\_\_

Type of triangle: \_\_\_\_\_

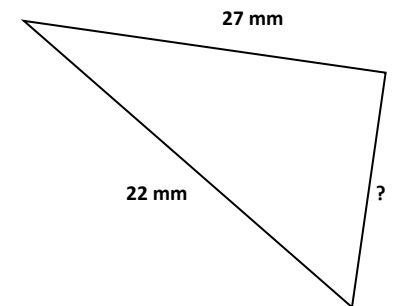
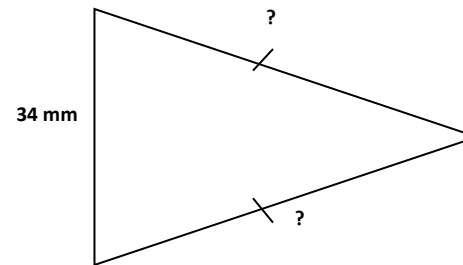
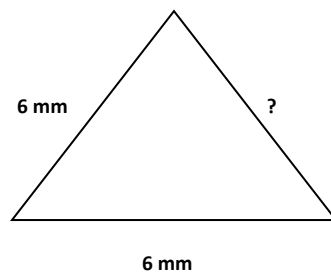
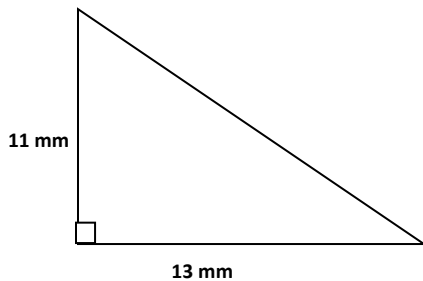
Missing angle measure: \_\_\_\_\_

Type of triangle: \_\_\_\_\_

Fill in the missing information for each triangle named.

TRIANGLE	Length of Side 1	Length of Side 2	Length of Side 3	Sum of all Sides	Name of Triangle by Sides
Triangle MAD	12 mm		12 mm	42 mm	
Triangle ZEN		15 mm			Equilateral $\Delta$
Triangle POD	5 mm	9 mm		28 mm	
Triangle CAT				60 mm	Equilateral $\Delta$
Triangle CRY		8 mm	13 mm	29 mm	Isosceles $\Delta$

Identify the missing side length for each triangle below and then classify the triangle by its sides. DO NOT USE A RULER. (Triangles shown are not to scale.)



Sum of Sides: 40 mm  
 Missing side length: \_\_\_\_\_  
 Type of triangle: \_\_\_\_\_

Sum of Sides: 18 mm  
 Missing Side Length: \_\_\_\_\_  
 Type of triangle: \_\_\_\_\_

Sum of Sides: 68 mm  
 Missing Side Length: \_\_\_\_\_  
 Type of triangle: \_\_\_\_\_

Sum of Sides: 78 mm  
 Missing Side Length: \_\_\_\_\_  
 Type of triangle: \_\_\_\_\_