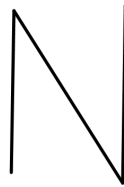


$L1 \cong L7$

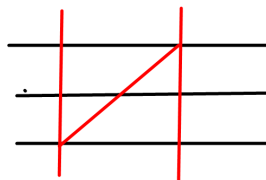
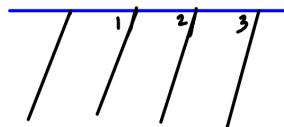
Corresponding  $\angle$ s  $L1 \cong L7$   $L8 \cong L4$   
 $L5 \cong L6$   $L3 \cong L2$

Alternate Interior  $\angle$ s  $L8 \cong L6$   $L3 \cong L7$   
 Consecutive Interior  $\angle$ s  $L8 \cong L7$   $L3 \cong L6$   
 Same Side Interior  $\angle$ s Supplementary

Alternate Exterior  $\angle$ s  $L1 \cong L2$   $L5 \cong L4$



Corresponding  $\angle$ s



# Triangles

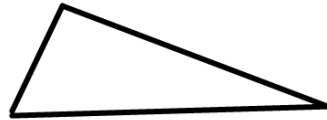
## Classifying by Angles

### Right $\Delta$

1 right  $\angle$     2 acute  $\angle$ s



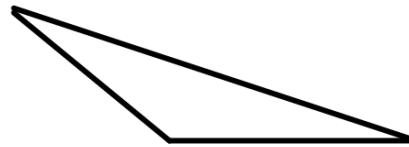
### Acute $\Delta$ all 3 $\angle$ s are acute



Sum of the measures of  $\angle$ s  
of a  $\Delta$  is  $180^\circ$

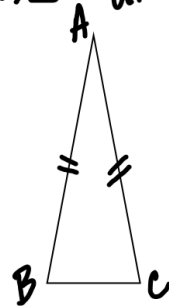
### Obtuse $\Delta$

1 obtuse  
2 acute  $\angle$ s



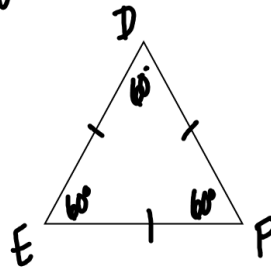
# Classify by sides

Isosceles  $\Delta$  at least 2  $\cong$  sides



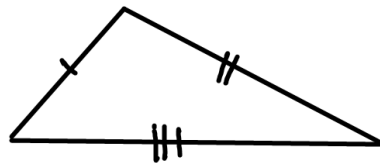
$$\overline{AB} \cong \overline{AC}$$

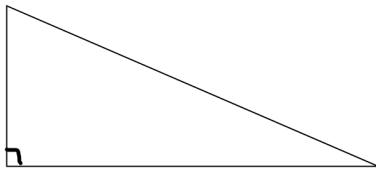
Equilateral  $\Delta$  3  $\cong$  sides



Equiangular  
 $\frac{60}{3} = \frac{180}{3}$

Scalene  $\Delta$  no  $\cong$  sides





Right Scalene  $\Delta$

Angle

Acute

Right

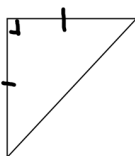
Obtuse

Sides

Isosceles

Equilateral

Scalene

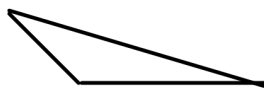


Angle

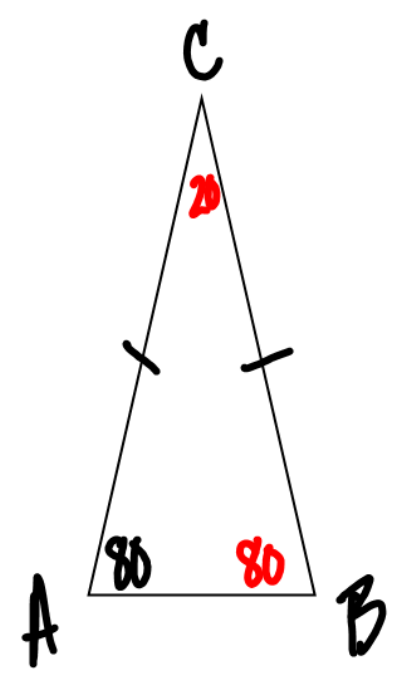
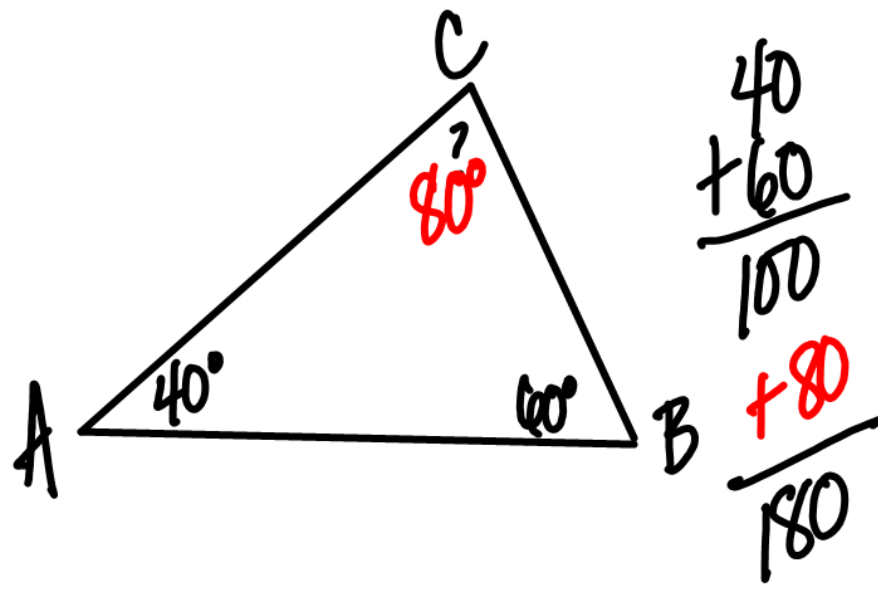
Right

Sides

Isosceles



Obtuse Scalene



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8-66 E

(14-17 All) .