

10.28-13  
5<sup>th</sup> Geo

$$\frac{\$6}{184 \text{ in}^2} = \frac{\$}{\text{in}^2}$$

$$\frac{184 \text{ in}^2}{\$6} \rightarrow \frac{\text{in}^2}{\$}$$

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### Classify Angles

#### Side length vs. Angle Measurement

Scalene - no sides are =

Isosceles - 2 sides are =

Equilateral - 3 sides are =

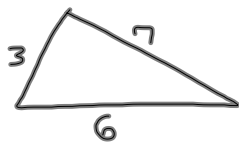
#### Angle Measurement

Acute - All 3 angles less than  $90^\circ$

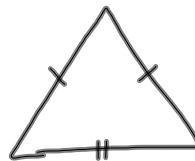
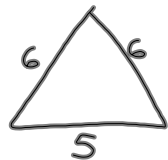
Obtuse - 1 angle is  $> 90^\circ$

Right - 1 angle is  $90^\circ$

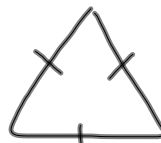
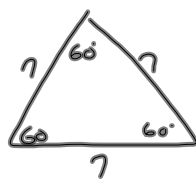
#### Scalene

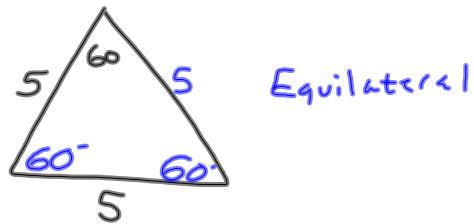
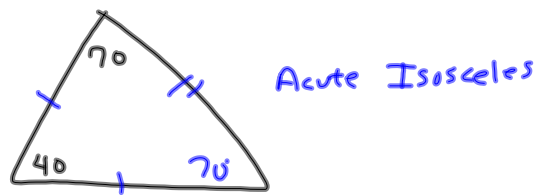
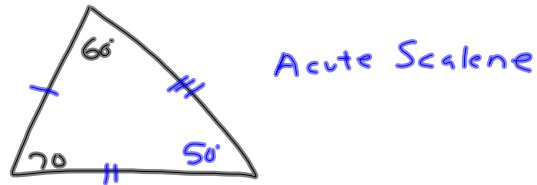
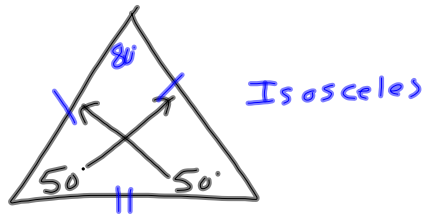


#### Isosceles

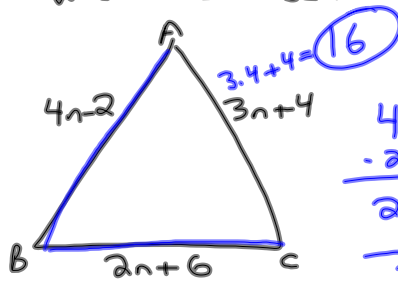


#### Equilateral





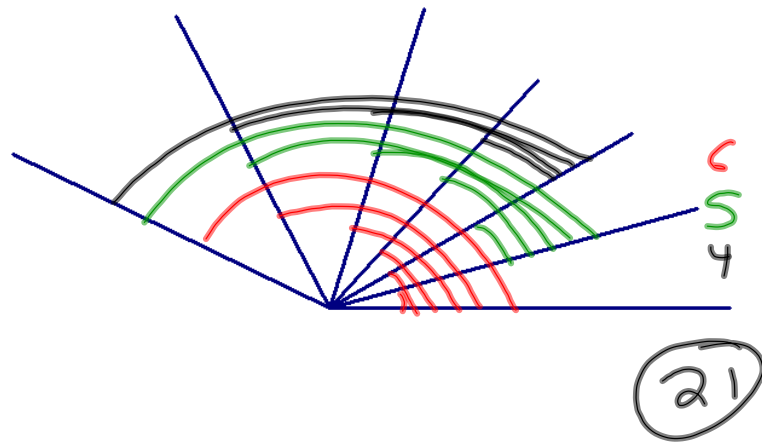
$\triangle ABC$  is an isosceles  $\triangle$   
with  $\overline{AB} \cong \overline{BC}$ .



$$\begin{array}{r} 4n-2=2n+6 \\ -2n \quad -2n \\ \hline 2n-2=6 \\ +2 \quad +2 \\ \hline 2n=8 \\ n=4 \end{array}$$

Find AC.

Let's talk Logic



$\div 2, 3, 4, 5, 6$

First # over 2000 divisible by 6

2004  
2010  
2016  
2022  
2030  
2040  
2050

10-28-13  
6<sup>th</sup> Geo

$$\frac{\$6}{142 \text{ in}^2} = \frac{\$}{\text{in}^2}$$

$$\frac{142 \text{ in}^2}{\$6} \rightarrow \frac{\text{in}^2}{\$1}$$

### Classifying Triangles

Side Length vs. Angle Measure

Scalene - no sides =  
Isosceles - 2 sides =  
Equilateral - All sides =

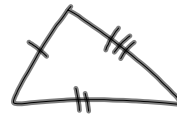
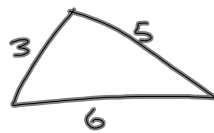
#### Angle

Acute - All  $\angle$ 's less than  $90^\circ$

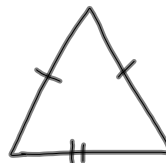
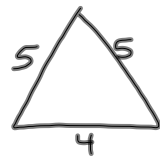
Obtuse - 1  $\angle$  is over  $90^\circ$

Right - 1  $90^\circ \angle$ .

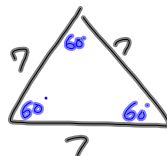
#### Scalene

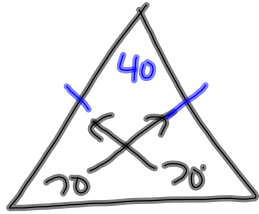


#### Isosceles

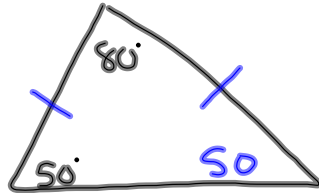


#### Equilateral

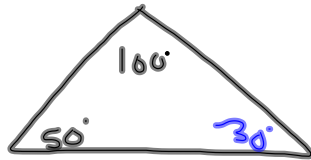




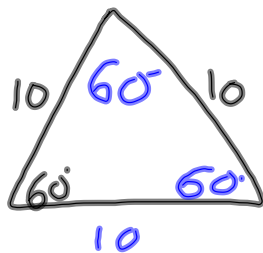
Acute Isosceles



Acute Isosceles



Obtuse Scalene

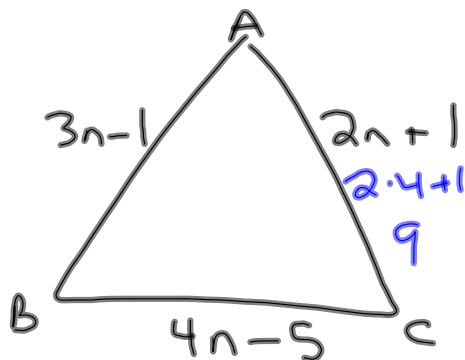


Equilateral

$\triangle ABC$  is an isosceles  $\triangle$

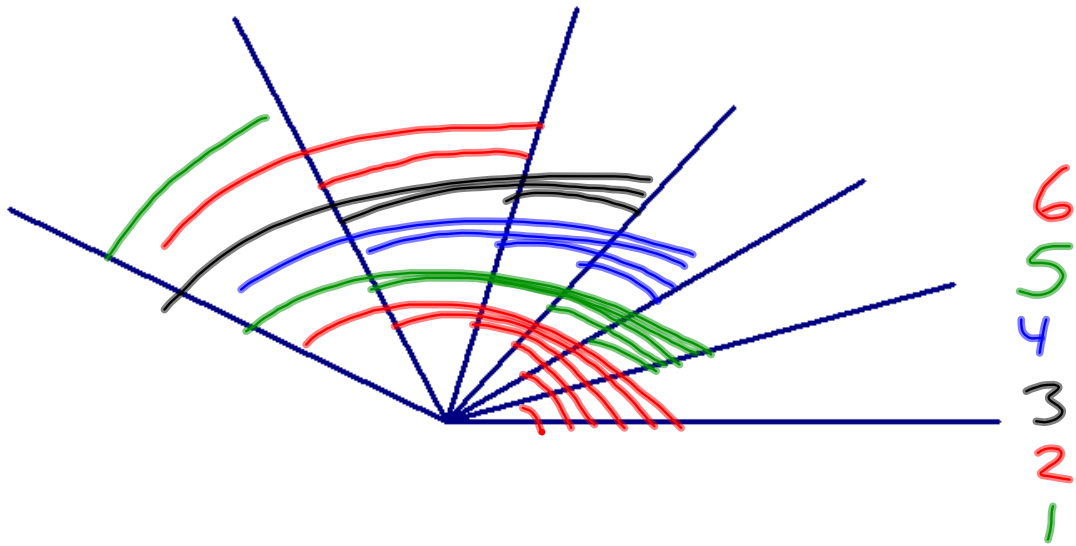
with  $\overline{AB} \cong \overline{BC}$ .

Find AC.



$$\begin{array}{r} 4n-5 = 3n-1 \\ -3n \quad -3n \\ \hline n-5 = -1 \\ +5 \quad +5 \\ \hline n = 4 \end{array}$$

Logic



②  $\div 2, 3, 4, 5, 6$

$> 2000$

2004~~x~~  $\div 5$

2010

2016~~x~~

2022~~x~~

2030

2040

2050

2060