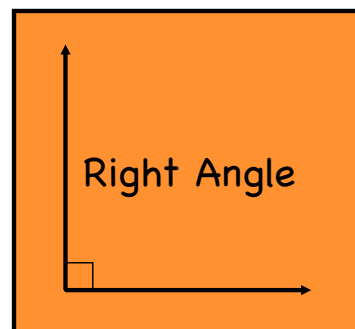
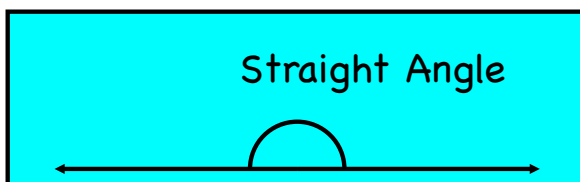
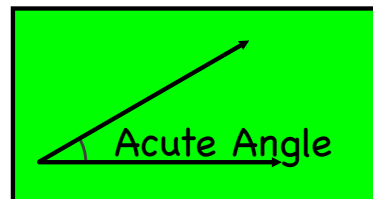
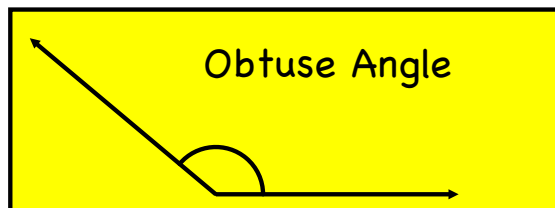
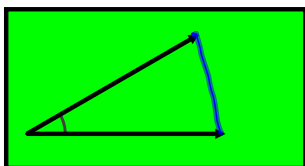


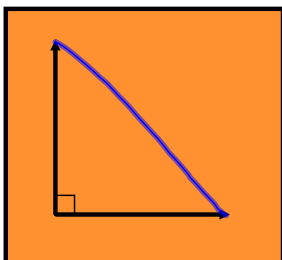
7th Grade Lesson 62

- I can classify a triangle by its angles.
- I can name the sides of a triangle in order from shortest to longest when given only the measures of the angles.
- I can classify a triangle by its sides.

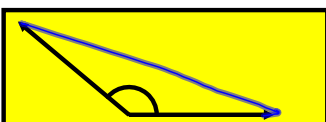




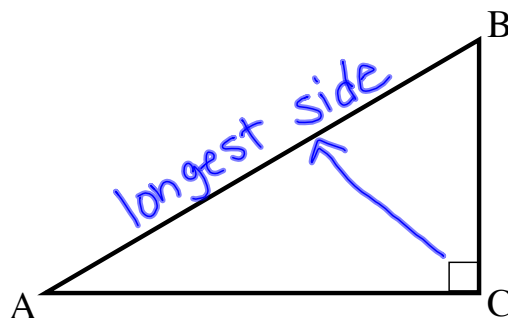
If every angle of a triangle measures less than 90° , the triangle is an acute triangle.



If the triangle contains a 90° angle, the triangle is a right triangle.

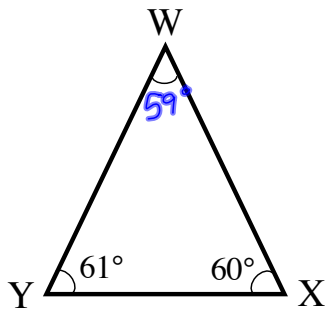


If the triangle contains one angle that measure more than 90° , it is an obtuse triangle.

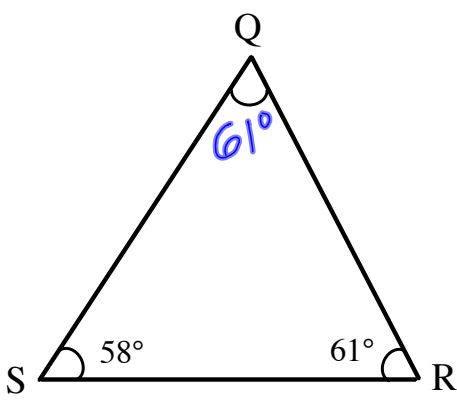


\overline{AB} is opposite $\angle C$
 \overline{BC} is opposite $\angle A$
 \overline{AC} is opposite $\angle B$

$$\begin{array}{r} 61 \\ +60 \\ \hline 121 \\ \\ 180 \\ -121 \\ \hline 59^\circ \end{array}$$

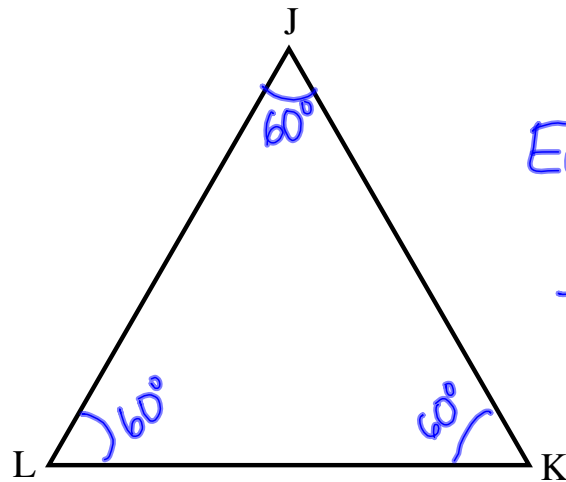


smallest to largest
 $\angle W, \angle X, \angle Y$
 $\overline{YX}, \overline{YW}, \overline{WX}$
 Shortest to longest



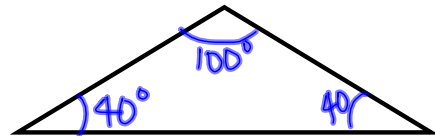
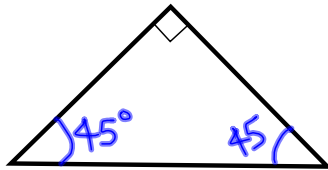
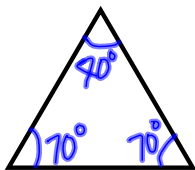
\overline{QS} and \overline{SR}
are same length

Isosceles
Triangle
has two sides
with the
same length

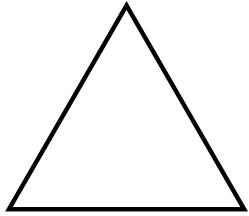
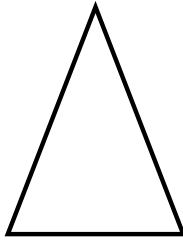
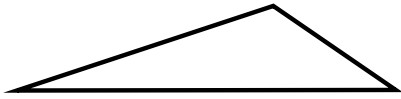


Equilateral Triangle
- all sides are the same length

$$JK = KL = LJ$$

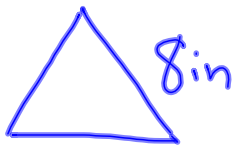


Isosceles Triangle
- has two sides with the same length



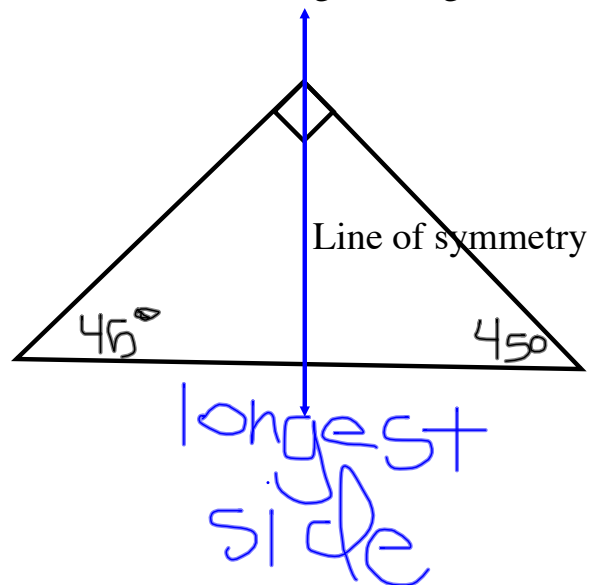
Scalene triangle
- no sides are
the same length

The perimeter of an equilateral triangle is 2 feet. How many inches long is each side?



$$2\text{ft} \cdot \frac{12\text{in.}}{1\text{ft.}} = 24\text{in.}$$

Draw an isosceles right triangle.



Assignment:

Problem Set 62 #1-30 even