

Triangle Fundamentals
Geometry

KEY

1) Name the sides in $\triangle ABC$.

$\overline{AB}, \overline{BC}, \overline{AC}$

2) Name the vertices in $\triangle ABC$.

A, B, C

3) Which side is opposite $\angle A$?

\overline{BC}

4) Name the angle opposite \overline{AC} .

$\angle B$

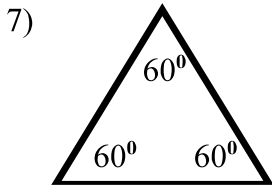
5) Name the side included between $\angle A$ and $\angle C$.

\overline{AC}

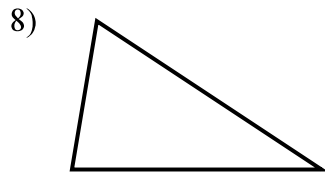
6) Name the angle included between \overline{AC} and \overline{BC} .

$\angle C$

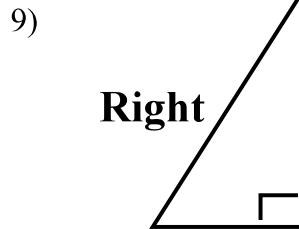
Classify each triangle by its angles.



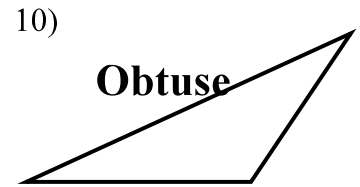
Equiangular



Acute

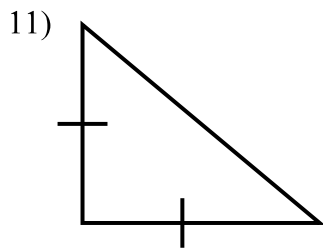


Right

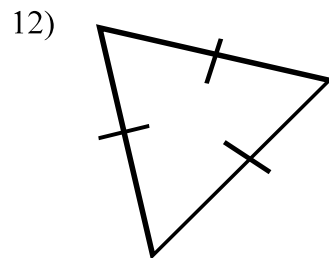


Obtuse

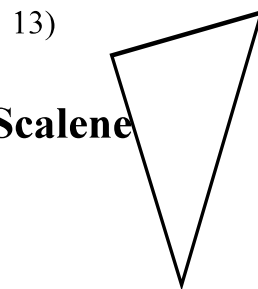
Classify each triangle by its sides.



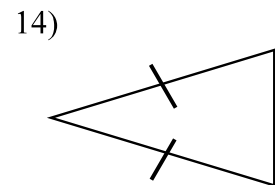
Isosceles



Equilateral

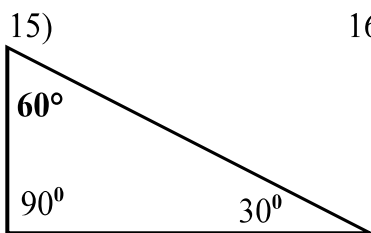


Scalene

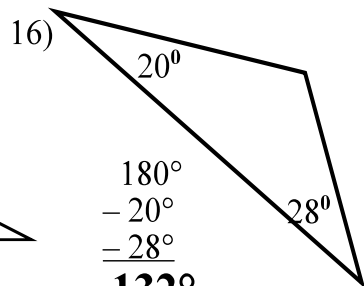


Isosceles

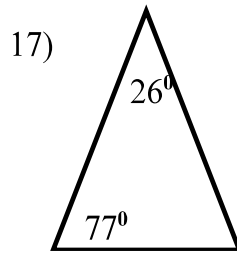
Find the **S**measure of the missing angle.



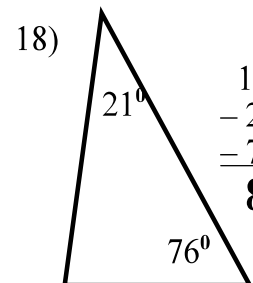
$$180^\circ - 30^\circ - 90^\circ = 60^\circ$$



$$\begin{array}{r} 180^\circ \\ - 20^\circ \\ \hline = 28^\circ \\ - 28^\circ \\ \hline = 132^\circ \end{array}$$



$$180^\circ - 77^\circ - 26^\circ = 77^\circ$$



$$\begin{array}{r} 180^\circ \\ - 21^\circ \\ \hline = 76^\circ \\ - 76^\circ \\ \hline = 83^\circ \end{array}$$