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Date \_\_\_\_\_  
Geometry

## Classifying Triangles

Classify the following triangles as acute/obtuse/right and scalene/isosceles/equilateral

1.  $90^\circ, 45^\circ, 45^\circ$

$$\begin{array}{r} 90 \\ +45 \\ \hline 135 \end{array} \quad \begin{array}{r} 180 \\ -135 \\ \hline 45 \end{array}$$

right  
isosceles

2.  $60^\circ, 60^\circ, 60^\circ$

$$\begin{array}{r} 60 \\ +60 \\ \hline 120 \end{array} \quad \begin{array}{r} 180 \\ -120 \\ \hline 60 \end{array}$$

acute  
equilateral



3.  $110^\circ, 40^\circ, 30^\circ$

$$\begin{array}{r} 110 \\ +40 \\ \hline 150 \end{array} \quad \begin{array}{r} 180 \\ -150 \\ \hline 30 \end{array}$$

obtuse  
scalene

4.  $30^\circ, 80^\circ, 70^\circ$

$$\begin{array}{r} 30 \\ +80 \\ \hline 110 \end{array} \quad \begin{array}{r} 180 \\ -110 \\ \hline 70 \end{array}$$

acute  
scalene

5.  $20^\circ, 70^\circ, 90^\circ$

$$\begin{array}{r} 20 \\ +70 \\ \hline 90 \end{array} \quad \begin{array}{r} 180 \\ -90 \\ \hline 90 \end{array}$$

right  
scalene

6.  $70^\circ, 40^\circ, 70^\circ$

$$\begin{array}{r} 70 \\ +40 \\ \hline 110 \end{array} \quad \begin{array}{r} 180 \\ -110 \\ \hline 70 \end{array}$$

acute  
isosceles