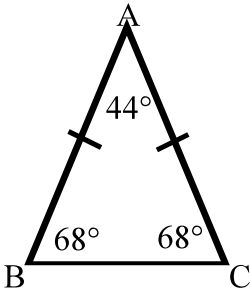


Isosceles Triangles  
Geometry

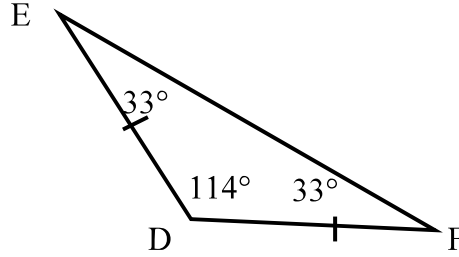
KEY

Find the measures of the missing angles.

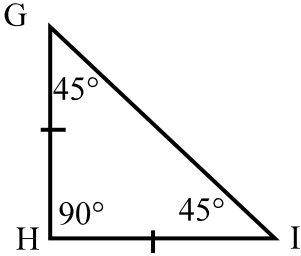
$$\begin{array}{r} 180 \\ -68 \\ \hline -68 \\ \hline 44 \end{array}$$



2)

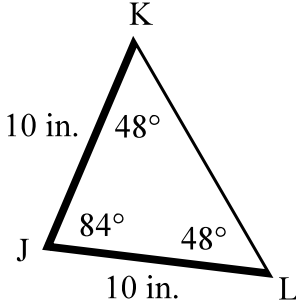


3)

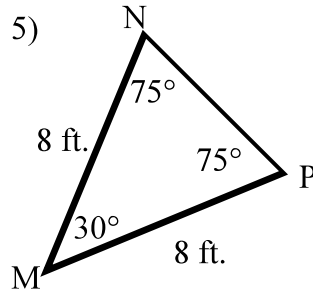


4)

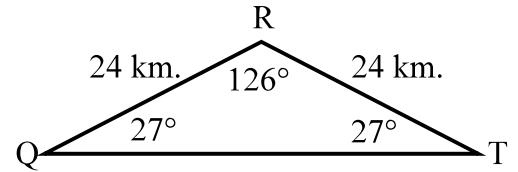
$$\begin{array}{r} 180 \\ -84 \\ \hline 96 \end{array}$$



5)

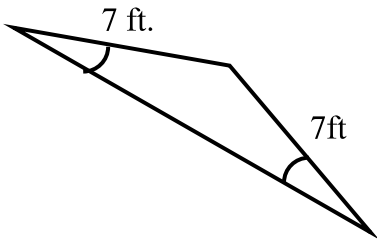


6)

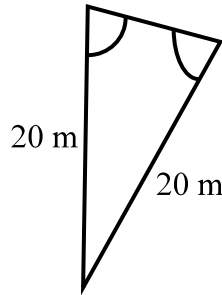


Find the measure of the indicated side.

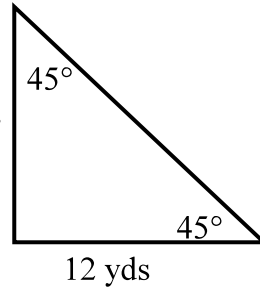
7)



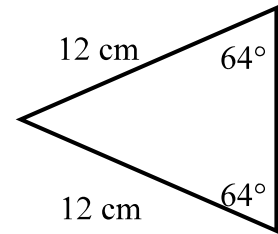
8)



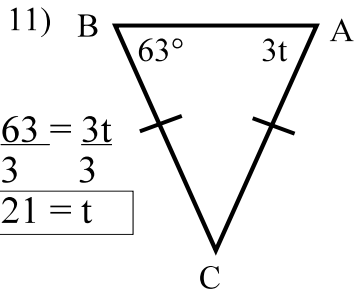
9)



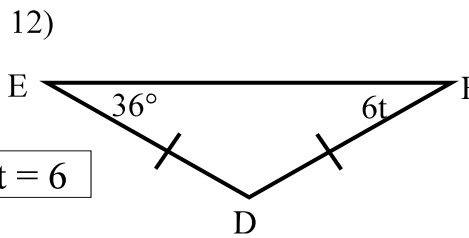
10)



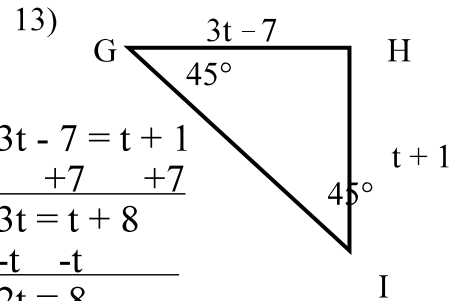
Use the information given in each problem to find t



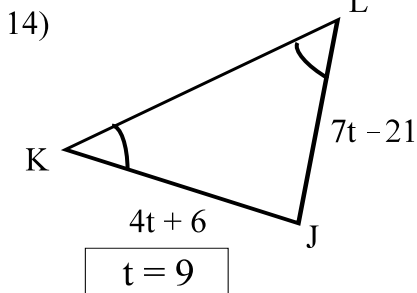
$$\begin{array}{r} 63 = 3t \\ 3 \quad 3 \\ \hline 21 = t \end{array}$$



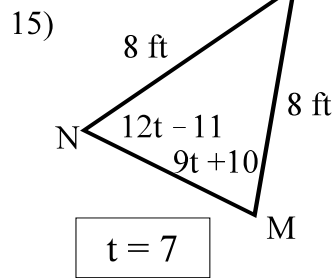
$$t = 6$$



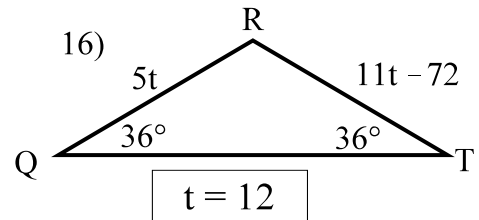
$$\begin{array}{r} 3t - 7 = t + 1 \\ +7 \quad +7 \\ \hline 3t = t + 8 \\ -t \quad -t \\ \hline 2t = 8 \\ 2 \quad 2 \\ \hline t = 4 \end{array}$$



$$t = 9$$



$$t = 7$$



$$t = 12$$