# Answer on Question \#84712 - Math - Geometry 

## Question

Find the measure of Angle 3.
measure of angle $1=x$
measure of angle $2=x-6$

## Solution

These angles are the angles in the triangle. Then

$$
m \angle 1+m \angle 2+m \angle 3=180^{\circ}
$$

Substitute

$$
\begin{gathered}
x+x-6+m \angle 3=180 \\
m \angle 3=(186-2 x)^{\circ}
\end{gathered}
$$

$m \angle 3=(186-2 x)^{\circ}, 6^{\circ}<x<93^{\circ}$.

