## Answer on Question\#41719 - Math - Trigonometry

Question:

Prove that: $\tan (55+x)=\cos (55-x)$
Solution:

Check this equality for $x=0$

$$
\begin{aligned}
\tan \left(55^{\circ}+0^{\circ}\right) & =\cos \left(55^{\circ}-0^{\circ}\right) \\
\tan 55^{\circ} & =\cos 55^{\circ} \\
\tan 55^{\circ} & =1.4281 \\
\cos 55^{\circ} & =0.5736 \\
1.4281 & \neq 0.5736
\end{aligned}
$$

Equality doesn't correct for $x=0$, therefore this is not equality. So this cann't be proved.

