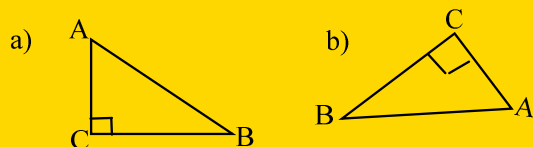


Ch 10.4 Tangent

Tangent Ratio:

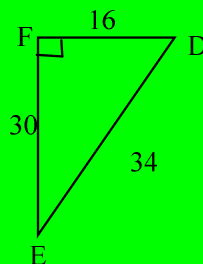
$$\tan \theta = \frac{\text{leg opposite } \angle \theta}{\text{leg adjacent to } \angle \theta}$$

Ex1) Determine the opposite and adjacent sides to $\angle A$



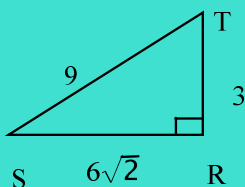
Apr 14-8:50 AM

Ex2a) Find the tangent function of $\angle D$ and for $\angle E$.



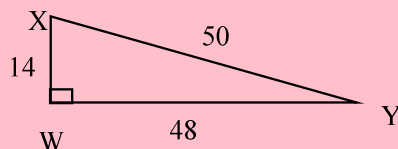
Apr 14-8:58 AM

Ex2b) Find the tangent function for $\angle S$ and $\angle T$.
round to the nearest ten thousandth



Apr 14-9:00 AM

Try #1. Find the tangent function for $\angle X$ and $\angle Y$.
round to the nearest ten thousandth.



Apr 14-9:03 AM

Ex3) Use a calculator to find the value. Round to the nearest ten thousandth.

a) $\tan 10^\circ$

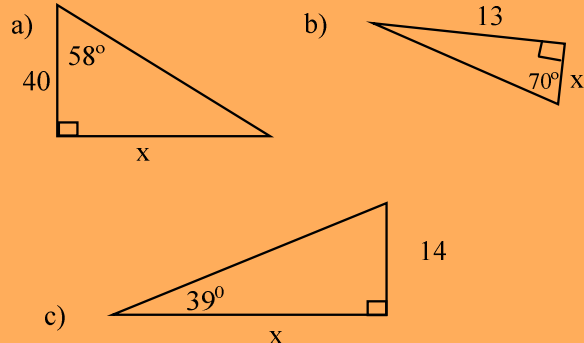
b) $\tan 34^\circ$

Try #2) $\tan 23^\circ$

Try #3) $\tan 115^\circ$

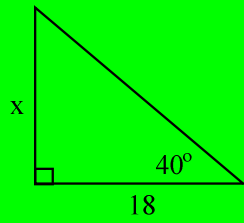
Apr 14-12:42 PM

Ex4) Use the tangent function to find x . round to the nearest tenth.



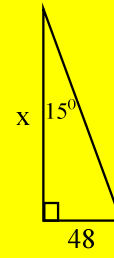
Apr 14-9:14 AM

Try#4.



Apr 14-12:40 PM

Try #5



Apr 14-12:47 PM