Warm Up
Find the value of the trig function indicated.

1) $\underline{\cos \theta}$
2) $\tan \theta$
$\frac{2}{25}=\cos \theta$


# 9-3 <br> Finding Sides of Right Triangles Using Trig 

- Given an angle I can find the side length on a right triangle using trig.
- Given an angle and a trig function I can calculate it's value.

Use a calculator to find each.
$\cos 130=-0.64 \cos 268=-0.0^{3} \sin 25=$
.422
$\begin{aligned} & \sin 280= \\ &-.98\end{aligned}$
$\tan 219=.809 \sin 40=.64$
$\cos 110=\quad \begin{array}{ll}\sin 20=1 & \tan 54= \\ -34 & 1.37 \\ & 3\end{array}$

## Gett'in Triggy with it

https://www.youtube.com/watch? v=t2uPYYLH4Zo

Find the measure of each side indicated.


Find the measure of each side indicated.


Find the measure of each side indicated.


Find the measure of each side indicated.


Find the measure of $x$ and $y$.


In each problem, Angle $C$ is a right angle. Find the side indicated to the nearest tenth.

1) Find (bi $c=5, m \angle B=34^{\circ}$

2) Find (a) if $b=10, m \quad B=74^{\circ}$


Sofnch Cah Tok


