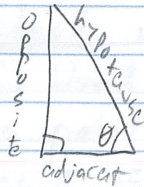
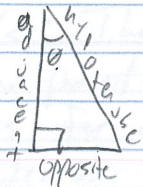


5-1

SOH-CAH-TOA

On Board:

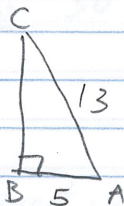


$$\begin{aligned} \sin &= \frac{\text{opp}}{\text{hyp}} \\ \cos &= \frac{\text{adj}}{\text{hyp}} \\ \tan &= \frac{\text{opp}}{\text{adj}} \end{aligned}$$

$$\begin{aligned} \csc &= \frac{\text{hyp}}{\text{opp}} \\ \sec &= \frac{\text{hyp}}{\text{adj}} \\ \cot &= \frac{\text{adj}}{\text{opp}} \end{aligned}$$

Pick your \angle , Fill in 2 out of 3 sides, If necessary, solve the 3rd

Youtry:

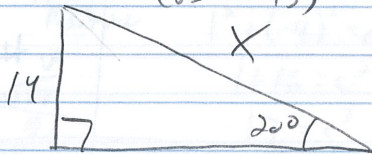


$$\begin{aligned} \sin A &= & \csc A &= \\ \cos A &= & \sec A &= \\ \tan A &= & \cot A &= \end{aligned}$$

$\angle A = ?$

$$\cos^{-1}\left(\frac{5}{13}\right) = 67.3801$$

★ Radians vs. Degrees in calculator ★



$$X = ? \quad 40.9333$$

$$\begin{aligned} \sin 20^\circ &= \frac{14}{X} \\ X(\sin 20^\circ) &= 14 \\ X &= \frac{14}{\sin 20^\circ} \end{aligned}$$

CW/HW- Wksht