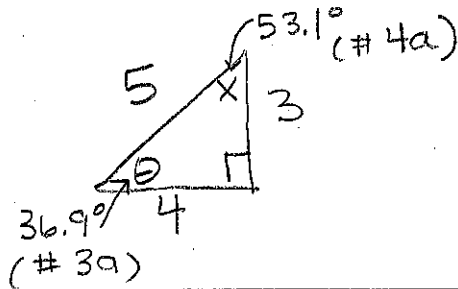


Just an FYI:



Warmup: Trig on the Calculator

1. $\tan 36.9^\circ =$

Round to the hundredth: .75

2. $\cot 53.1^\circ =$

Round to the hundredth: .75

3. $\tan \theta = \frac{3}{4}$

a. Round to the tenth of a degree: 36.9°

b. Round using degree and nearest minute: $36^\circ 52'$

#3b

$$\begin{array}{r} 36.86989765 \\ -36 \\ \hline .869897646 \\ \times 60 \\ \hline 52.19385875 \end{array}$$

4. $\cot x = \frac{3}{4}$

a. Round to the tenth of a degree: 53.1°

b. Round using degree and nearest minute: $53^\circ 8'$

#4b

$$\begin{array}{l} \frac{1}{\tan x} = \frac{3}{4} \\ \tan x = \frac{4}{3} \\ x = \tan^{-1}\left(\frac{4}{3}\right) \\ 53.13010235 \\ -53 \\ \hline .130102354 \\ \times 60 \\ \hline 7.80614129 \end{array}$$

5. $\sin 27^\circ 13' 14'' =$

Round to the tenth: .5

6. $\csc \frac{2\pi}{3} =$

Round to the tenth: 1.2

$$\frac{1}{\sin \frac{2\pi}{3}}$$