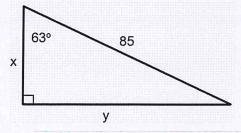
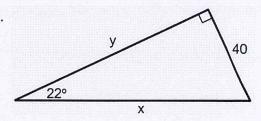
## Bellwork Alg 2 Wednesday, March 13, 2019

Find the value of x and y in each triangle to the nearest hundredth.

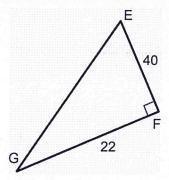
1.



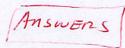
2.

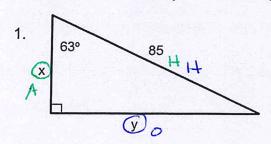


3. Solve this triangle. This means to find all missing sides and angles. Round to the nearest hundredth.



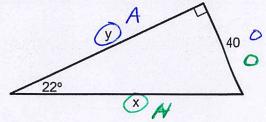
Bellwork Alg 2 Wednesday, March 13, 2019 Find the value of x and y in each triangle to the nearest hundredth.





FOR X: use 
$$\cos$$
  
85. $\cos 63^{\circ} = \frac{x}{85}.85$ 

2.



For X: use sin  

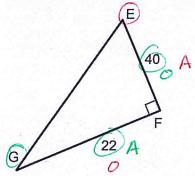
$$\frac{5 \text{ in } 22^\circ = \frac{40}{\text{X}}}{\sqrt{\frac{1}{\text{multiply}}}}$$
  
 $\sqrt{\frac{1}{\text{X}} = 106.78}$ 

Fory: use Tan

Tan 
$$22^{\circ} = \frac{40}{y}$$
 multiply

$$|y = 99.00|$$

3. Solve this triangle. This means to find all missing sides and angles. Round to the nearest hundredth.



Y TO FIND EG USE PYTHAGOREAN THEOREM 402 + 222 = (EG)2 12084 = V(E6)2

\* TO FIND LG WE TAN

$$tan G = \frac{40}{22}$$

$$LG = Tan^{-1}(\frac{40}{22})$$

$$LG = 6.19^{\circ}$$

\* TO FIND LE USE Tan

$$TanE = \frac{22}{40}$$
 $LE = Tan^{-1}(\frac{22}{40})$