## Using the Calculator

\*\*You must always remember to check your calculator. It needs to be in  $\underline{ extstyle extstyle$ in order to calculate the answers correctly.

Let's make sure you can use your calculator. Round your answers to two decimal places.

sin 48°

tan 22°, 40 cos 52°, 62

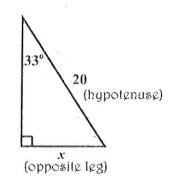
How would you solve these equations? Cross Mo Hiply

$$\sin 20^\circ = \frac{a}{12}$$

$$\cos 80^\circ = \frac{25}{b}$$

$$\sin 20^\circ = \frac{a}{12}$$
  $12(\sin 20^\circ) = a$   $\cos 80^\circ = \frac{25}{b}$   $b = \frac{25}{\cos 20^\circ}$   $b = 143.97$ 

When given an acute angle measure and a side length, we can use trig to find another side length of the triangle.



Which trig ratio contains "hypotenuse" and "opposite leg"? 5 me

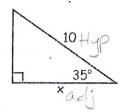
Write an equation that would allow us to solve for x. Then,

solve for x.

Sm 
$$33 = \frac{x}{20}$$

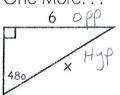


Let's try another one.



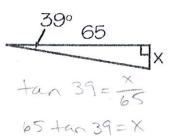
Cos 35 = 10

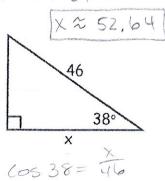
One More...



6 opp  $Sm 48 = \frac{6}{x}$   $x + yp = \frac{6}{sin 48}$ 

Work with your neighbor on these problems.





X & 36.25

