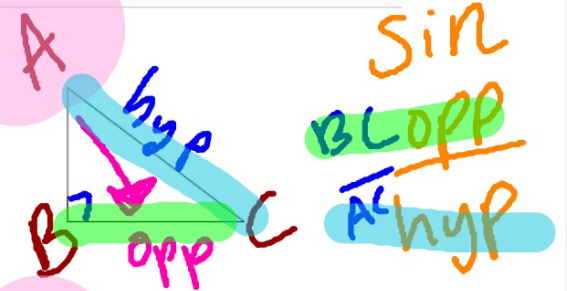
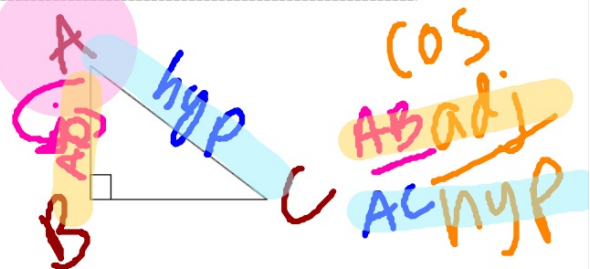


TRIGONOMETRY FOLDABLE

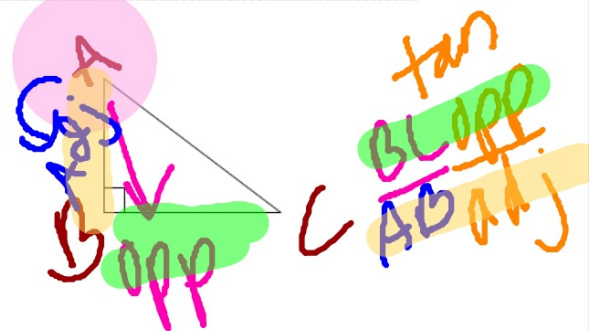
SINE



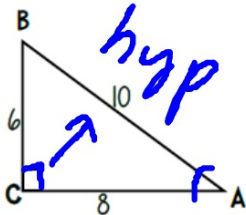
COSINE



TANGENT



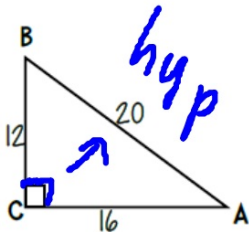
Find $\sin A$ and $\sin B$.



$$\sin A = \frac{6}{10} = \frac{3}{5} = 0.6$$

$$\sin B = \frac{8}{10} = \frac{4}{5} = 0.8$$

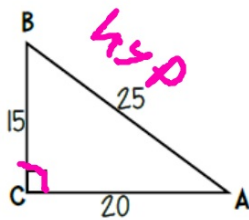
Find $\cos A$ and $\cos B$.



$$\cos A = \frac{16}{20} = \frac{4}{5} = 0.8$$

$$\cos B = \frac{12}{20} = \frac{3}{5} = 0.6$$

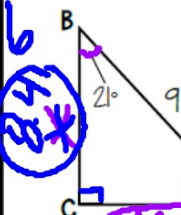
Find $\tan A$ and $\tan B$.



$$\tan A = \frac{15}{20} = \frac{3}{4} = 0.75$$

$$\tan B = \frac{20}{15} = \frac{4}{3} = 1.33$$

Find BC and AC



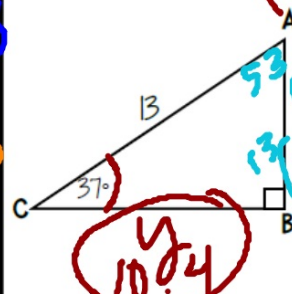
$$\sin 21 = \frac{y}{9}$$

$$y = 3.2$$

$$\sin 69 = \frac{x}{9}$$

$$8.4 = x$$

Find AB and BC.



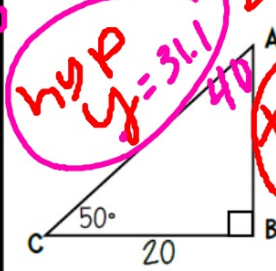
$$\cos 37 = \frac{y}{13}$$

$$10.4 = y$$

$$\cos 53 = \frac{x}{13}$$

$$7.8 = x$$

Find AB and AC



$$\tan 50 = \frac{y}{20}$$

$$23.8 = y$$

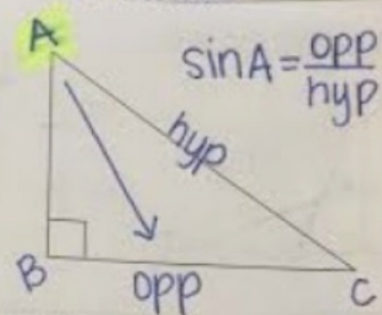
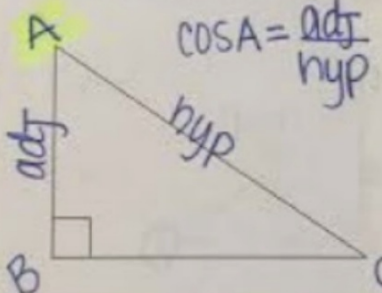
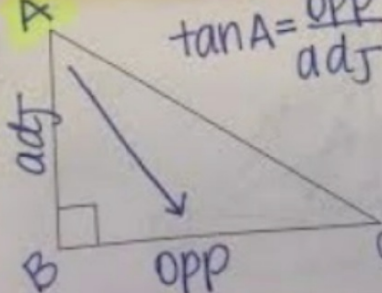
$$\sin 40 = \frac{20}{x}$$

$$x = 31.1$$

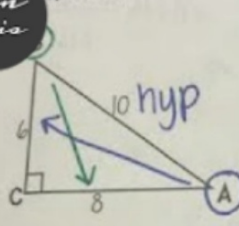
Sin
Opp
Hyp

Cos
Adj
Hyp

Tan
Opp
Adj

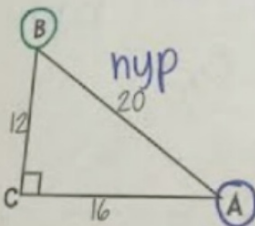
from this	Trig Ratios SINE  $\sin A = \frac{\text{opp}}{\text{hyp}}$	S O H
	COSINE  $\cos A = \frac{\text{adj}}{\text{hyp}}$	C A H
	TANGENT  $\tan A = \frac{\text{opp}}{\text{adj}}$	T O A

Find $\sin A$ and $\sin B$.



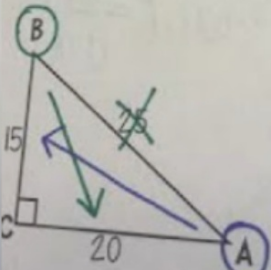
$\sin A = \frac{6}{10} = \frac{3}{5}$
 $\sin B = \frac{8}{10} = \frac{4}{5}$

Find $\cos A$ and $\cos B$.

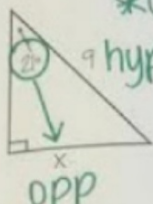
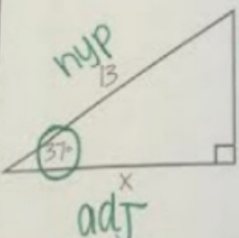
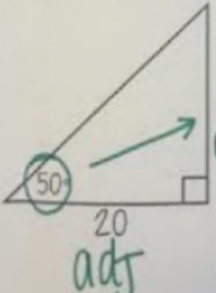


$\cos A = \frac{16}{20} = \frac{4}{5}$
 $\cos B = \frac{12}{20} = \frac{3}{5}$

Find $\tan A$ and $\tan B$.



$\tan A = \frac{15}{20} = \frac{3}{4}$
 $\tan B = \frac{20}{15} = \frac{4}{3}$

Find the value of 'x': *calc must be in degree  9 hyp x opp $9 \cdot \sin 21 = \frac{x}{9}$ $9 \cdot \sin 21 = x$ $\boxed{3.23 = x}$	S O H
Find the value of 'x':  hyp 13 x adj $13 \cos 37 = \frac{x}{13} \cdot 13$ $13 \cdot \cos 37 = x$ $\boxed{10.38 = x}$	C A H
Find the value of 'x':  20 adj x opp $20 \cdot \tan 50 = \frac{x}{20} \cdot 20$ $20 \tan 50 = x$ $\boxed{23.84 = x}$	T O A