

Trig Functions

* Calculator must be in DEGREE MODE.

Inverses:

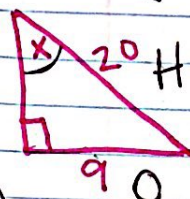
Solving for angles

Sine:

$$\sin(x) = \frac{9}{20}$$

$$x = \sin^{-1}(9/20)$$

$$x = 26.74$$

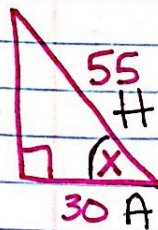


cosine:

$$\cos(x) = \frac{30}{55}$$

$$x = \cos^{-1}(30/55)$$

$$x = 56.94$$

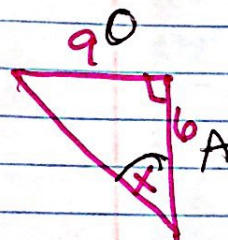


tangent:

$$\tan(x) = \frac{9}{6}$$

$$x = \tan^{-1}(9/6)$$

$$x = 56.31$$

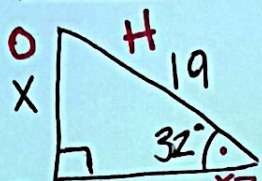


$$\sin(x) = .962$$

$$x = \sin^{-1}(.962)$$

$$x = 74.15$$

Solve for x:

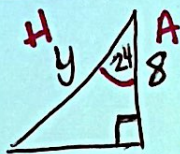


$$[\sin(32) = \frac{x}{19}] 19$$

$$19 \sin(32) = x$$

$$x = 10.07$$

Solve for y:



$$\cos(24) = \frac{8}{y}$$

$$y \cos(24) = 8$$

$$y = \frac{8}{\cos(24)}$$

$$y = 8.76$$

Solve for z:



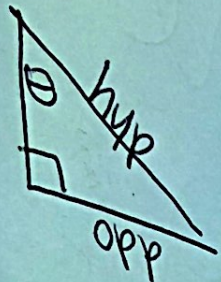
$$\tan(51) = \frac{6}{z}$$

$$z \tan(51) = 6$$

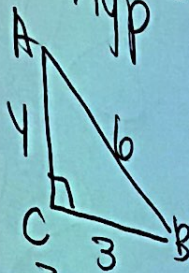
$$z = 6 / \tan(51)$$

$$z = 4.86$$

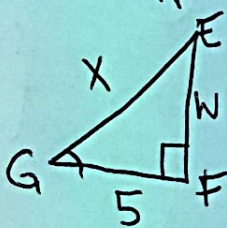
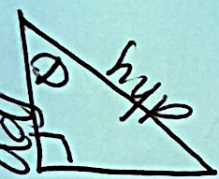
$$\sin \theta = \frac{\text{opp}}{\text{hyp}}$$



$$\sin A = \frac{3}{6}$$

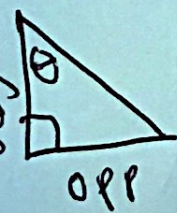


$$\cos \theta = \frac{\text{adj}}{\text{hyp}}$$



$$\cos G = \frac{5}{x}$$

$$\tan \theta = \frac{\text{opp}}{\text{adj}}$$



$$\tan C = \frac{5}{6}$$