arangle

Dine of to SinO =

Cosine cost

tangent tant

cotangent coto

secant scco

cosecant csco

angle of
$$A = \angle A = \hat{A} = A$$

$$C^2 = \alpha^2 + b^2$$

$$Sind = \frac{Opp}{hyp} = \frac{d}{\pi}$$

$$Cos O = \frac{ady}{hyp} = \frac{X}{X}$$

$$\tan A = \frac{a}{b}$$

$$pecal = \frac{c}{b}$$

$$SINO = \frac{15}{17}$$
 $codo = \frac{8}{17}$ $toulo = \frac{15}{8}$
 $cocol = \frac{17}{15}$ $secol = \frac{17}{8}$ $cotol = \frac{9}{15}$

$$5ino = -\frac{4}{5}$$
 $coso = \frac{3}{5}$ $tamo = -\frac{4}{3}$
 $csco = -\frac{5}{4}$ $seco = \frac{5}{3}$ $coto = -\frac{3}{4}$

10°

$$\frac{\sqrt{3}}{\sin \theta} = \frac{\sqrt{3}}{2} \qquad \frac{\sqrt{3}}{\cos \theta} = \frac{\sqrt{3}}{2} \qquad \frac{\sqrt{3}}{\cos \theta} = \frac{\sqrt{3}}{3} \qquad \frac{\sqrt{3}}{\sqrt{3}}$$

$$\frac{\cos \theta}{2} = \frac{\sqrt{3}}{2} \qquad \frac{\cos \theta}{\sqrt{3}} = \frac{\sqrt{3}}{\sqrt{3}} \qquad \frac{\cot \theta}{\sqrt{3}} = \frac{\sqrt{3}}{\sqrt{3}}$$

$$\frac{\cos \theta}{\sqrt{3}} = \frac{\sqrt{3}}{\sqrt{3}} \qquad \frac{\cot \theta}{\sqrt{3}} = \frac{\sqrt{3}}{\sqrt{3}}$$

30
$$\cos \theta = -\frac{12}{13}$$
 $\cos \theta = \frac{12}{13}$ $\tan \theta = \frac{5}{12}$
 $\csc \theta = -\frac{12}{5}$ $\sec \theta = -\frac{12}{12}$ $\cot \theta = \frac{12}{5}$

$$\frac{x^{2} + y^{2} = x^{2}}{x^{2} + (x^{2})^{2} = 1}$$

$$\frac{\left(\frac{x}{x}\right)^{2} + \left(\frac{y}{x}\right)^{2} = 1}{\left(\frac{x}{x}\right)^{2} + \sin^{2}\theta = 1}$$

$$\frac{\left(\frac{x}{x}\right)^{2} + \sin^{2}\theta = 1}{\left(\frac{x}{x}\right)^{2} + \sin^{2}\theta = 1}$$

$$\frac{\cos^2\theta}{\cos^2\theta} + \frac{\sin^2\theta}{\cos^2\theta} = \frac{1}{\cos^2\theta} \left(\frac{1}{\cos\theta}\right)^2$$

$$\frac{1}{1 + \tan^2\theta} = \sec^2\theta$$

$$\frac{\cos^2\theta}{\sin^2\theta} + \frac{\sin^2\theta}{\sin^2\theta} = \frac{1}{\sin^2\theta}$$

$$\cot^2\theta + 1 = 0$$

3 tand forx = 3 tand Er 1/x2+9 Vx2+9 = 19 fam20 +9 z /9 (tan 20+1) = 3 / sec20 = 3 seco ABC, C=900 a=6 c=10 b=2(4) Sin A = 3 Cos A = 4 Pano = 2 CXA = 5 rech = 5 coth = 5 1 AFD = 90 =>

5:AA = COS B = CO (90°-A)
COS A = sin B