· Trigo

$$sec^2 \theta - 4an^2 \theta = 1$$

$$cosec^2 0 - cot^2 6 = 0$$

3 
$$\cos 20 - \cos^2 0 - \sin^2 0$$

$$\frac{1 + 4an^20}{1 - 4an^20}$$

$$1 - 4au \ \forall A \Rightarrow B$$

$$4an (A-B) = \frac{1 + 4an A \cdot 4an B}{1 + 4an A \cdot 4an B}$$

Integration

$$1. \int \frac{1}{x} \cdot dx = \log x$$

$$2. \int e^{x} \cdot dx = e^{x}$$

3. 
$$\int \sin x \cdot dx = -\cos x$$

4. 
$$\int \cos x \cdot dx = \sin x$$

5. 
$$\int \sec^2 x \cdot dx = \tan x$$

6. 
$$\int \cos^2 x \cdot dx = -\cot x$$

7. 
$$\int \sec x \cdot \tan x \cdot dx = \sec x$$

8. 
$$\int \cos \cos x \cdot \cot x \cdot dx = -\cos \cos x$$

11. 
$$\int \sec x \cdot dx = \log |\sec x + \tan x|$$

Angle (degrees)	0	30	45	60	90	120	135	150	180	210	225	240	270	300	315	330	360
Angle (Radians)	0	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{2\pi}{3}$	$\frac{3\pi}{4}$	$\frac{5\pi}{6}$	π	$\frac{7\pi}{6}$	$\frac{5\pi}{4}$	$\frac{4\pi}{3}$	$\frac{3\pi}{2}$	$\frac{5\pi}{3}$	$\frac{7\pi}{4}$	$\frac{11\pi}{6}$	2π
sin	0	1/2	$\frac{1}{\sqrt{2}}$	$\frac{\sqrt{3}}{2}$	1	$\frac{\sqrt{3}}{2}$	$\frac{1}{\sqrt{2}}$	1/2	0	-1/2	$-\frac{1}{\sqrt{2}}$	$-\frac{\sqrt{3}}{2}$	-1	$-\frac{\sqrt{3}}{2}$	$-\frac{1}{\sqrt{2}}$	-1/2	0
cos	1	$\frac{\sqrt{3}}{2}$	$\frac{1}{\sqrt{2}}$	1/2	0	-1/2	$-\frac{1}{\sqrt{2}}$	$-\frac{\sqrt{3}}{2}$	-1	$-\frac{\sqrt{3}}{2}$	$-\frac{1}{\sqrt{2}}$	-1/2	0	1/2	$\frac{1}{\sqrt{2}}$	$\frac{\sqrt{3}}{2}$	1
tan	0	$\frac{1}{\sqrt{3}}$	1	√3	UD	-√3	-1	$-\frac{1}{\sqrt{3}}$	0	$\frac{1}{\sqrt{3}}$	1	√3	UD	-√3	-1	$-\frac{1}{\sqrt{3}}$	0
CSC	UD	2	$\sqrt{2}$	$\frac{2}{\sqrt{3}}$	1	$\frac{2}{\sqrt{3}}$	√2	2	UD	-2	-√2	$-\frac{2}{\sqrt{3}}$	-1	$-\frac{2}{\sqrt{3}}$	-√2	-2	UD
sec	1	$\frac{2}{\sqrt{3}}$	$\sqrt{2}$	2	UD	-2	-√2	$-\frac{2}{\sqrt{3}}$	-1	$-\frac{2}{\sqrt{3}}$	-√2	-2	UD	2	$\sqrt{2}$	$\frac{2}{\sqrt{3}}$	1
cot	UD	√3	1	$\frac{1}{\sqrt{3}}$	0	$-\frac{1}{\sqrt{3}}$	-1	-√3	UD	√3	1	$\frac{1}{\sqrt{3}}$	0	$-\frac{1}{\sqrt{3}}$	-1	-√3	UD

UD -> Undefined