x	0	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$
sin x	0	$\frac{1}{2}$	$\frac{\sqrt{2}}{2}$	$\frac{\sqrt{3}}{2}$	1
cos x	1	$\frac{\sqrt{3}}{2}$	$\frac{\sqrt{2}}{2}$	$\frac{1}{2}$	0
tan x	0	$\frac{\sqrt{3}}{3}$	1	$\sqrt{3}$	–
cotan x	–	$\sqrt{3}$	1	$\frac{\sqrt{3}}{3}$	0

$$\sin^2 x + \cos^2 x = 1$$

$$\sin 2x = 2\sin x \cos x$$

$$\cos 2x = \cos^2 x - \sin^2 x$$

$$\cos(x \mp y) = \cos x \cos y \pm \sin x \sin y$$

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$$\tan 2x = \frac{2\tan x}{1 - \tan^2 x}$$

$$\sin x + \sin y = 2\sin\frac{x+y}{2}\cos\frac{x-y}{2}$$

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$$\cos x = \frac{1-t^2}{1+t^2} \qquad \sin x = \frac{2t}{1+t^2} \qquad t = \tan\frac{x}{2}$$

$$A\sin x + B\cos x = \sqrt{A^2+B^2}\sin(x+\alpha)$$

$$\frac{a}{\sin\alpha} = \frac{b}{\sin\beta} = \frac{c}{\sin\gamma}$$

$$a^2 = b^2 + c^2 - 2cb\cos\alpha$$

$$\frac{b+c}{a} = \frac{\cos\frac{\beta-\gamma}{2}}{\sin\frac{\alpha}{2}}$$

$$\frac{\sin\frac{\beta-\gamma}{2}}{\cos\frac{\alpha}{2}} = \frac{b-c}{a}$$

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