

$$\sin(a+b) = \sin(a)\cos(b) + \cos(a)\sin(b)$$

$$\cos(a+b) = \cos(a)\cos(b) - \sin(a)\sin(b)$$

$$\sin(\pi/2 - x) = \cos(x)$$



$$\sin\left(\frac{\pi}{2} - (a+b)\right) = \cos(-(a+b))$$

$$\sin\left(\frac{\pi}{2} - (a+b)\right) = \cos$$

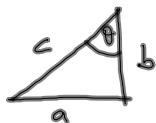
$$\cos(a+b) = \sin\left(\frac{\pi}{2} - (a+b)\right)$$

$$= \sin\left(\left(\frac{\pi}{2} - a\right) + (-b)\right)$$



$$= \sin\left(\frac{\pi}{2} - a\right)\cos(-b) + \cos\left(\frac{\pi}{2} - a\right)\sin(-b)$$

$$= \cos(a)\cos(b) - \sin(a)\sin(b)$$



$$a^2 + b^2 = c^2$$

$$\left(\frac{a}{c}\right)^2 + \left(\frac{b}{c}\right)^2 = 1$$

$$\sin(\theta) = \frac{a}{c}$$

$$\cos(\theta) = \frac{b}{c}$$

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