



$$SIN(2x) = 2 SN(x) (OS(x))$$

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$$SIN(a+b) = SIN(a) (OS(b) + (OS(a) SIN(b))$$

$$(OS(a+b) = (OS(a) (OS(b) - SN(a) SIN(b))$$

$$COS(2x) = 1 - 2 SIN^{2}(x)$$

$$= cos^{2}(x) - sin^{2}(x)$$

$$= 2 (OS^{2}(x) - 1)$$

$$2 SIN(a) SIN(b) = (OS(a-b) + (OS(a+b))$$

$$2 (OS(a) cos(b) = (OS(a-b) + (OS(a+b))$$

$$Sin(\alpha+b) = Sin(\alpha)cos(b) + cos(\alpha)sin(b)$$

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

$$Sin(x) = (cos(x-1) = cos(x))$$

$$Sin(-x) = cos(x)$$

$$Sin(-x) = -sin(x)$$