

(1)
$$\sin(330+8)$$
 (5) $\sin(-320+8)$
(6) $\cos(270+8)$ (7) $\tan(360+8)$
(8) $\sin(360+8) + \cos(360+8)$
(9) $\sin(360+8) + \cos(360+8)$
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(17) $\sin(360+8) + \cos(360+8)$
(18) $\sin(360+8) + \cos(360+8)$
(19) $\sin(360$

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2)

620 = 650-Sint 0

$$= 2 \cos^2 \theta - 1$$

= 1-2 sin 28

$$\frac{1}{1-\tan 20} = \frac{2\tan 0}{1-\tan^2 0}$$

$$Sin^{2}\left(30\right)+Gi^{2}\left(30\right)=\Delta$$

5)
$$600 = 2600/_{2} - 1 = 1 - 2\sin^{2}\theta_{2} = 6000/_{2} - \sin^{2}\theta_{2}$$
.

$$8 \quad | \quad - \cos \theta = 2 \sin^2 \theta / 2.$$

$$(10)$$
 | + 600 = 260 $\frac{2}{2}$.

$$\frac{\text{(1)} \quad Sin20 = 2 tan0}{\text{(1+tan^20)}}$$

$$\frac{12}{12} \quad Sin0 = \frac{2 + an0/2}{1 + tun^2 0/2}$$

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

$$\frac{14}{14 + an^2 \theta_2}$$

 $\tan 2\theta = 2 \tan \theta$ tan 0 = 2 tan 82/1-tan2 9/2.

Sin(A+B) = SinA GOD + GOJASINA,

$$\frac{(21)}{1-\tan A + \tan B}; \tan (A+A) = \frac{\tan A + \tan A}{1-\tan A}$$

$$\frac{1-\tan A + \tan B}{1-\tan A}$$

$$\frac{1-\tan A}{1-\tan A}$$

 $Sin C + Sin D = 2 Sin \left(\frac{C+D}{2}\right) \cdot Cos\left(\frac{C-D}{2}\right)$

(23)
$$Sm(-SinD = 2 Cos(\frac{C+D}{2}). Sm(\frac{C-D}{2}).$$

$$Sm(-SinD) = 2 cos(SinD), Sin(-Ci)$$

$$Sin(-Ci)$$

$$Sin(-C$$

$$(asc - Cosd) = -2 sin(ctd). sin(c-b)$$

$$= 2 sin(ctd). sin(b-c)$$

$$= 2 sin(ctd). sin(b-c)$$

$$Sin(-0) = -Sin\theta | Sin(-3\theta) = -Sin(3\theta)$$

$$Cosec(-0) = -Cosec\theta$$

$$(27)$$
 $(65(-8) = 65)$
 $Sec(-8) = Sec(8)$

$$\begin{array}{ll}
(28) & \tan(-8) = -\tan 8 \\
\cot(-8) = -\cot 9
\end{array}$$

Ssinso.do

$$\frac{31}{1-3+an^2\theta} = \frac{3+an\theta - +an^3\theta}{1-3+an^2\theta}$$

$$-2 \sin A \sin B = \cos(A+B) - \cos(A-B)$$

$$-2 \sin A \sin B = \cos(A-B) - \cos(A+B)$$

$$-2 \sin A \sin B = \cos(A-B) - \cos(A+B)$$

$$y = \sqrt{2} \left[\frac{\sin x + \cos x}{\sqrt{2}} \right].$$

$$y = \sqrt{2} \left[\frac{\sin x \cdot \frac{1}{\sqrt{2}} + \cos x \cdot \frac{1}{\sqrt{2}}}{\sqrt{2}} \right] A = x, B = 45\%$$

$$y = \sqrt{2} \left[\frac{\sin x}{\sqrt{2}} + \frac{\cos x}{\sqrt{2}} + \frac{\cos x}{\sqrt{2}} + \frac{\sin x}{\sqrt{2}} \right]$$

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yman = V2x1 = V2 ymin = V2x-1=-V2

W.H

(5) Max, Min of
$$y = 3 \sin x + 4 \cos x$$
.
(5) Max, Min of $y = 3 \sin x - 4 \cos x$.