$x$

$c$

$x =$

$\sin x \cos x +$

$\cos x \sin x$

30

1.

$\sin, \cos, ,$

30

60

30

3.

$\sin, \cos, ,$

30

60

45

1.

$\sin, \cos, ,$

30

45

60

| $\cos \boldsymbol{x} x$ |
| $\sin \boldsymbol{x} x$ |

$n \in \mathbb{Z}$

$\sin(x + 360 \cdot n) = \sin x$

$\cos(x + 360 \cdot n) = \cos x$

$(x + 360 \cdot n) = x$

$(x + 360 \cdot n) = x$

$\sin(-x) = -\sin x$

$\cos(-x) = \cos x$

$\sin(180 - x) = \sin x$

$\cos(180 - x) = -\cos x$

$\sin(180 + x) = -\sin x$

$\cos(180 + x) = -\cos x$

$\sin(-x) = -\sin x$

$\cos(-x) = \cos x$

$\sin(180 - x) = \sin x$

$\cos(180 - x) = -\cos x$

$\sin(180 + x) = -\sin x$

$\cos(180 + x) = -\cos x$

$\cos 120$

$\cos 150$

$\sin 225$

$\sin(-135)$

$\cos 225$

$(-120)$

$\cos 405$

$\sin 540$

$\cos(-510)$

$\sin(-450)$

/

$\sin(x + y) = \sin x \cos y + \sin y \cos x$

$\sin(x - y) =$

$\sin(360-x)$

$\cos(90+x)$

$\cos(90-x)$

$\cos(180+x)$

$\cos(180-x)$

$\cos(270+x)$

$\cos(270-x)$

$\cos(360+x)$

$\cos(360-x)$

$\sin 300$

$\cos 240$

$330$

$\cos 120$

$\sin 390$

$\cos 495$

$\cos(-780)$

$\sin(-300)$

$(-225)$

$\sin(-1200)$

$51 \cos 4 \sin 86 +$

$\sqrt{3}2 \cdot$

$\sin 603$

$32 \cos 116 \sin 64 +$

$25 \cos 29 \sin 61$

$0°$

$l_0 =$

$12,5$

$l(t°) =$

$l_0(1+$

$\alpha \cdot$

$t°)$

$\alpha \overline{\overline{=}}$

$1, \overline{2} \cdot$

$10^{-5}(°C)^{-1}$

$t°$

$6$

$A$

$B$

$24$

$16$

$B$

$\cos 90$

$\sin 90$

$\cos(135)$

$\sin 225$

$(-135)$

$(-120)$

$\cos 540$

$\sin 495$

$\sin(-1125)$

$(-960)$

$(750)$

$1620$

$100,5 \cdot \cos 10 \sin 80 +$

$\sin 452 \cdot$

$\sqrt{2}$

$20 \cos 140 \sin 50 +$

$10 \cos 3 \sin 87$

$I \overline{\overline{=}}$

$\sigma \overline{R} + r$

$\frac{r}{2} =$

$R$

$40\%$

$I =$

$\sigma r$

$A$

$B$

$72$

$10$

$B$

$/ \vdots$

$\sin(x+y) =$

$\sin x \cos y +$

$\sin y \cos x$

$\sin(x-y) =$

$\sin x \cos y -$

$\sin y \cos x$

$\cos(x+y) =$