

mobius

Trigonometry Identities - Half Angle Identity True/False (Radians)



回路記憶器 Identity True/False (Radians)						
$\frac{7\pi}{2\pi} \sin(\frac{7\pi}{2\pi})$	Is this half-angle identity correct? $\frac{7\pi}{2} = \sin(\frac{7\pi}{2})$			Is this half-angle identity correct?		
$ an(rac{7\pi}{6}) = rac{\sin(rac{7\pi}{6})}{1+\cos(rac{7\pi}{6})}$	A Yes	В No	$\sin(rac{7\pi}{4})=\pm\sqrt{rac{1-\cos(rac{7\pi}{4})}{2}}$	A Yes	В	
$\frac{2\pi}{2}$, $\sqrt{1+\cos(\frac{2\pi}{2})}$	corr		Is this half-angle identity correct? $\frac{5\pi}{3}, \qquad \sqrt{1+\sin(\frac{5\pi}{3})}$			
$\sin(rac{2\pi}{3})=\pm\sqrt{rac{1+\cos(rac{2\pi}{3})}{1-\cos(rac{2\pi}{3})}}$	A Yes	В No	$ an(rac{5\pi}{3})=\pm\sqrt{rac{1+\sin(rac{5\pi}{3})}{1-\sin(rac{5\pi}{3})}}$	A Yes	B No	
5 $\frac{5\pi}{4}, \qquad \sqrt{1+\cos(\frac{5\pi}{4})}$	corr		Is this half-angle identity correct? $\frac{5\pi}{5} = \sqrt{1 + \cos(\frac{5\pi}{5})}$			
$\sin(rac{5\pi}{6})=\pm\sqrt{rac{1+\cos(rac{5\pi}{6})}{1-\cos(rac{5\pi}{6})}}$	A Yes	B No	$igcolumn{4}{cos(rac{5\pi}{6})} = \pm \sqrt{rac{1+cos(rac{5\pi}{6})}{2}}$	Yes	B No	
7 $\frac{7\pi}{1+\cos(\frac{7\pi}{4})}$	Is this half-angle identity correct? $\frac{7\pi}{2} = \sqrt{1 + \cos(\frac{7\pi}{2})}$			Is this half-angle identity correct? $\frac{7\pi}{1+\cos(\frac{7\pi}{2})}$		
$\left \cos(rac{7\pi}{6}) = \pm\sqrt{rac{1+\cos(rac{7\pi}{6})}{2}} ight $	A Yes	B No	$\pm \cos(rac{7\pi}{4}) = \pm \sqrt{rac{1+\cos(rac{7\pi}{4})}{2}}$	A Yes	B No	