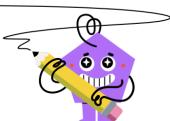




Trigonometry Identities - Half Angle Identity True/False (Greek Letter)



Is this half-angle identity correct? Is this half-angle identity $\cot(\frac{\beta}{2}) = \pm \sqrt{\frac{1+\sin(\beta)}{2}}$ A B $\tan(\frac{\beta}{2}) = \pm \sqrt{\frac{1-\cos(\beta)}{1+\cos(\beta)}}$ A B	identity
$\cos(rac{eta}{2}) = \pm \sqrt{rac{1+\sin(eta)}{2}} ext{A} ext{B} ext{tan}(rac{eta}{2}) = \pm \sqrt{rac{1+\cos(eta)}{1+\cos(eta)}} ext{A} ext{B}$	
Yes No Yes	No
3 4	
Is this half-angle identity correct? Is this half-angle correct? Is this half-angle correct? $\beta, \qquad \sqrt{1+\cos(\beta)}$	identity
$ an(rac{\gamma}{2}) = rac{\sin(\gamma)}{1+\cos(\gamma)}$ and $ an(rac{eta}{2}) = \pm \sqrt{rac{1+\cos(eta)}{1-\cos(eta)}}$ and $ an(rac{eta}{2}) = \pm \sqrt{rac{1+\cos(eta)}{1-\cos(eta)}}$ and $ an(rac{eta}{2}) = \pm \sqrt{rac{1+\cos(eta)}{1-\cos(eta)}}$	
Yes No Yes	No
5 6	
Is this half-angle identity correct? Is this half-angle identity correct?	identity
$sin(rac{lpha}{2}) = \pm \sqrt{rac{1 + cos(lpha)}{1 - cos(lpha)}}_{A} \hspace{1cm} B \hspace{1cm} tan(rac{eta}{2}) = \pm \sqrt{rac{1 + sin(eta)}{2}}_{A} \hspace{1cm} B$	
Yes No Yes	No
7 8	
Is this half-angle identity correct? Is this half-angle identity correct?	identity
$tan(rac{lpha}{2}) = rac{1 + cos(lpha)}{csc(lpha)}^{A} \hspace{1cm} B \hspace{1cm} sin(rac{eta}{2}) = \pm \sqrt{rac{1 - cos(eta)}{2}}^{A} \hspace{1cm} B$	
Yes No Yes	No