



Prove the following identity

$$\frac{\cos(x)+1}{\sin(x)}=\cot(x)+\csc(x)$$

$$\cot \theta = \frac{\cos \theta}{\sin \theta}$$

$$\csc \theta = \frac{1}{\sin \theta}$$

$$\frac{\cos(h) + 1}{\sin(h)} = \cot(h) + \csc(h)$$

$$\frac{\cos(h) + 1}{\sin(h)} = \frac{\cos(h) + 1}{\sin(h)}$$

$$\frac{\cos(h) + 1}{\sin(h)} = \frac{\cos(h) + 1}{\sin(h)}$$

b) Identity







