Tuesday, October 30, 2018 8:25 AM

## D.2 Notes (5.2 in bK): Verifying Trig Identities

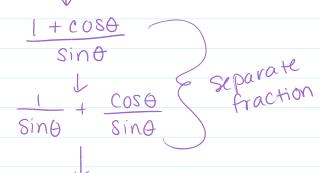
 $\frac{2}{2} \frac{2 \operatorname{csc} x}{2 \operatorname{csc} x} = \frac{1}{1 + 1} + \frac{1}{1$ 

$$\frac{2 \csc x}{1}$$

$$2 \csc x = 2 \csc x$$

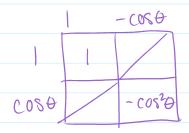
$$\frac{3}{\sin\theta} = \csc\theta + \cot\theta$$

$$\frac{\text{Sino}\left(1+\cos\theta\right)}{\left(1-\cos^2\theta\right)}$$



$$CSCO + CO+O = CSCO + CO+O$$

\* multiply by the conjugate



$$\sin^2\theta + \cos^2\theta = 1$$

$$-\cos^2\theta - \cos^2\theta$$

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