

5.2

Note Title

2/1/2012

Verify

$$5, \quad \underline{\cos^2 \theta - \sin^2 \theta} = 1 - 2\sin^2 \theta$$

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

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



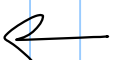
$$18 \quad y_1 = \frac{1}{\sin x} \quad - \frac{1}{\csc x}$$

$$y_2 = \csc x - \sin x$$

$$y_1 = y_2$$

$$\frac{1}{\sin x} - \frac{1}{\csc x} = \csc x - \sin x$$

$$\csc x - \sin x =$$



$$21. \sin^{\frac{1}{2}} x \cos x - \sin^{\frac{5}{2}} x \cos x = \cos^3 x \sqrt{\sin x}$$

$$\sin^{\frac{1}{2}} x \cos x (1 - \sin^2 x)$$

$$\sqrt{\sin x} \cos x \cos^2 x$$

$$\sqrt{\sin x} \cos^3 x$$

=

