Notes Key

Monday, February 22, 2016 8:12 AM

$$\begin{array}{c|c}
\hline
 & (1+\sin x) & 1 & (1-\sin x) & \frac{1}{7} + \frac{2}{x} \\
\hline
 & 1-\sin x(1+\sin x) & 1+\sin x(1-\sin x)
\end{array}$$

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

$$\frac{5 \ln x}{1 - (65x)} + \frac{1 - (65x)}{5 \ln x} + \frac{1 - (65x)}{5 \ln x} = \frac{5 \ln^2 x + (1 - (65x))(1 - (65x))}{(1 - (65x))(5 \ln x)} = \frac{2 - 2(65x)}{(1 - (65x))(5 \ln x)} = \frac{2}{(1 - (65x))(5 \ln x)}$$

$$\frac{1 + (osx)}{sinx} = \frac{1}{sinx} + \frac{cosx}{sinx}$$
$$= [cscx + cotx]$$