

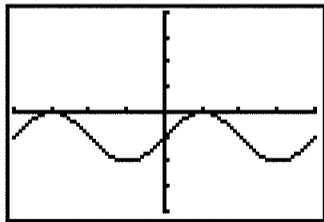
$$\boxed{35} \quad \cos t (\tan t - \sec t) = \cos t \left( \frac{\sin t}{\cos t} - \frac{1}{\cos t} \right) = \sin t - 1$$

Graph  $Y_1 = \cos(X)(\tan(X) - 1/\cos(X))$  and  $Y_2 = \sin(X) - 1$  in  $[-2\pi, 2\pi, \pi/2]$  by  $[-4, 4, 1]$ .

Table  $Y_1$  and  $Y_2$  together in degree mode starting at  $x = 0$ , incrementing by 50.

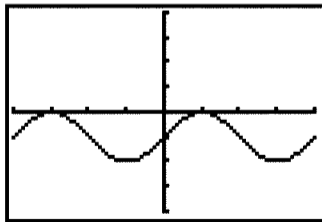
Graph  $Y_1$  is shown in *Figure 35a*. Graph  $Y_2$  is shown in *Figure 35b*. The table is shown in *Figure 35c*.

$[-2\pi, 2\pi, \pi/2]$  by  $[-4, 4, 1]$



*Figure 35a*

$[-2\pi, 2\pi, \pi/2]$  by  $[-4, 4, 1]$



*Figure 35b*

X	Y1	Y2
0	-1	-1
50	-.234	-.234
100	-.0152	-.0152
150	-.5	-.5
200	-1.342	-1.342
250	-1.94	-1.94
300	-1.866	-1.866

$Y_1 = \cos(X)(\tan(X) - 1/\cos(X))$

*Figure 35c*