EJERCICIO DE MATEMATICAS

INFORMÁTICA

JUAN ESTEBAN MARTÍNEZ SOLER

1104

1.

$$
\begin{aligned}
g(t) &= \tan\left(5-\sin 2t\right) \\
g^{\prime}\left(t\right) &= \frac{d}{dt}\tan\left(5-\sin 2t\right) \\
&= \sec^2\left(5-\sin 2t\right)\cdot\frac{d}{dt}\left(0-\cos 2t\cdot\frac{d}{dt}\left(2t\right)\right) \\
&= \sec^2\left(5-\sin 2t\right)\cdot\left(-\cos 2t\right)\cdot 2 \\
&= -2(\cos 2t)\sec^2\left(5-\sin 2t\right)
\end{aligned}
$$