$$
f:=x \rightarrow x \cdot \sin (x)
$$

$$
\begin{equation*}
f:=x \mapsto x \cdot \sin (x) \tag{1}
\end{equation*}
$$

$f p:=\mathrm{D}(f)$

$$
\begin{equation*}
f p:=x \mapsto \sin (x)+x \cdot \cos (x) \tag{2}
\end{equation*}
$$

$f p p:=\mathrm{D}(f p)$

$$
\begin{equation*}
f p p:=x \mapsto 2 \cdot \cos (x)-x \cdot \sin (x) \tag{3}
\end{equation*}
$$

solve $(f p(x)=0)$

$$
\begin{equation*}
\text { RootOf }\left(\tan \left(\_Z\right)+\_Z\right) \tag{4}
\end{equation*}
$$

Not much help!
with(plots) :
$\operatorname{plot}([x,-x, f(x)], x=-10 \cdot \mathrm{Pi} . .10 \cdot \mathrm{Pi}, y=-35 . .35)$

solve $(\sin (x)=1)$

$$
\begin{equation*}
\frac{\pi}{2} \tag{5}
\end{equation*}
$$

$f p(x)$

$$
\begin{equation*}
\sin (x)+x \cos (x) \tag{6}
\end{equation*}
$$

$f p\left(\frac{\mathrm{Pi}}{2}\right)$

$$
h:=x \rightarrow x+\tan (x)
$$

$$
\begin{equation*}
h:=x \mapsto x+\tan (x) \tag{8}
\end{equation*}
$$

