
(d) Find the equation of the normal line to $h(x)$ at $x=1$.

Foint $(1,3)$ fromparta.
$h(x)=f(g(x))-6$
$h^{\prime}(x)=f^{\prime}(g(x)) \cdot f(x)$
$h^{\prime}(1)=f^{\prime}(g())-g^{\prime}(1)$
$h^{\prime}(1)=f^{\prime}(2) \cdot 5$
$h^{\prime}(1)=2.5$
$h^{\prime}(0)=10$
nomad $\rightarrow 1 \rightarrow \frac{-1}{10}$
$y-3=-\frac{1}{10}(x-1)$
5) Find any relative extrema of $y=\arcsin x-x$


