ACH2011 - Cálculo I

Sistema de Informação - EACH

Exercício: Calcular as derivadas das funções:

1.
$$f(x) = \operatorname{sen}(x^2)$$
 $f(x) = \operatorname{cos}(x^2)$. 2. L

2.
$$g(x) = (\operatorname{sen}(x))^2$$
 $g(x) = 2 \text{ Sen } x$. As $x = son^2(x)$

3.
$$h(x) = \operatorname{sen}(\cos(\operatorname{tg}(x^2)))$$

 $h'(x) = \operatorname{cos}(\operatorname{cos}(\operatorname{tg}(x^2))) \cdot (-\operatorname{sen}(\operatorname{tg}(x^2)))$
 $\cdot \operatorname{sec}^2(x^2) \cdot 2 \cdot x$
 $= \cdot 2 \cdot x \cdot \operatorname{cos}(\operatorname{cos}(\operatorname{tg}(x^2)) \cdot \operatorname{sen}(\operatorname{hy}(x^2)) \cdot \operatorname{sec}^2(x^2)$