Answer on Question #47080 – Math – Differential Calculus | Equations

Question. Differentiate with respect to x, $f(x) = \tan x$

a) $(\sec x)^2$

b) $(\csc x)^2$

c) $2x^2 - 2$

d) $(\cos x)^2$.

Solution. $(\tan x)^{/} = \dfrac{1}{(\cos x)^2} = (\sec x)^2$.

Answer. a) $(\sec x)^2$.