Answer on Question 47036, Math, Differential Calculus — Equations   If y=tan(4x+1).Determine dy/dx.

$$\sec^x$$

$$4\sec^2(4x+1)$$

$$\tan(4x+1)$$

$$\sec^2(4x)$$

Solution

$$\frac{d(\tan(4x+1))}{dx} = 4(1 + \tan^2(4x+1)) = 4\sec^2(4x+1)$$