0.13=1 Q=1/53

= 1/y = 2x = /1 = -2,

So is onthogene

Exercise 2. Find the equation of the plane tangent to the surface $F(x, y, z) = \frac{x^2}{9} + \frac{y^2}{25} + z^2 - 1 = 0$ at the point $P_0(0, 4, \frac{3}{5})$.

$$F_{y} = \frac{2x}{9}$$
 at $P_{0} = O(x-6)$
 $F_{y} = \frac{2y}{75}$ at $P_{0} = \frac{8}{75}(\dot{y}-4)$:
 $F_{z} = \frac{2}{75}$ at $P_{0} = \frac{6}{75}(\dot{z}-3/5)$

