- z = f(x, y)
- x = g(t)
- y = h(t)
- g(3) = 2
- h(3) = 7
- g'(3) = 5
- h'(3) = -4
- $f_x(2,7) = 6$
- $f_y(2,7) = -8$
- $\frac{\partial z}{\partial t}$  cuando t=3

$$\frac{\partial z}{\partial t}(3) = \frac{\partial f}{\partial x}(g(3),h(3)) \cdot \frac{\partial x}{\partial t}(3) + \frac{\partial f}{\partial y}(g(3),h(3)) \cdot \frac{\partial y}{\partial t}(3) =$$

$$f_x(g(3), h(3)) \cdot g'(3) + f_y(g(3), h(3)) \cdot h'(3) =$$

$$f_x(2,7) \cdot g'(3) + f_y(2,7) \cdot h'(3) =$$

$$6 \cdot 5 + (-8) \cdot (-4) = 30 - 32 = -2$$