W2-6-3 Temperature distribution 3

The temperature, T in degrees Celsius on a point (x, y) with x and y in metres on a flat metal plate is provided by $T(x, y) = \frac{60}{(1+x^2+y^2)}$. Find the change in temperature as a function of the distance in the y-direction. $\left(\frac{\partial T}{\partial y}\right)_x =......$

In the y-direction it holds that $\left(\frac{\partial T}{\partial y}\right)_x = \frac{-120y}{(1+x^2+y^2)^2}$.