BIRZEIT UNIVERSITY MATHEMATICS DEPARTMENT

Math2311

Fall 2018/2019

Name BZU# Section#

1. Find the slope of the tangent line to the curve of intersection of $f(x,y) = x^2 + y^2$ and y = 2 at the point (-1,2,5)



Quiz 5

9x = 5x => 9x (eis) = -9

- 2. Circle the correct answer. If $yx z^2 = 3 \ln(xz)$ then $\frac{\partial y}{\partial x}|_{(1,1,1)} =$
 - (a) 0
 - (b) 1
 - (c) $\frac{1}{5}$
 - (d) -1
 - (e) $\frac{-1}{5}$
- (f) 2 (g) $\frac{2}{5}$
 - (h) -2
 - (i) $\frac{-2}{5}$
 - (j) None of the above

F(xyz)= 8x-22-3Ln(xz)=0

$$\frac{\partial x}{\partial \theta} = -\frac{f_x}{f_y} = -\frac{(y-o-3\frac{x}{x})}{x^2}$$

 $\frac{9^{x}}{9^{x}}\Big|=\frac{1}{(1-3)}=5$