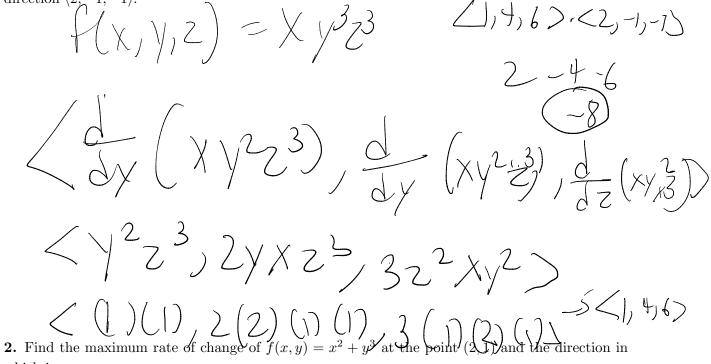
"QUIZ" for Lecture 8

Tayed aza NAME: (print!) Section:

E-MAIL SCANNED .pdf OF COMPLETED QUIZ to DrZcalc3@gmail.com (Attachment: qXFirstLast.pdf) ASAP BUT NO LATER THAN Oct. 1, 2020, 8:00pm

1. Find the directional derivative of the function $f(x, y, z) = xy^2 z^3$ at the point (2, 4, 1) in the direction $\langle 2, -1, -1 \rangle$.



which is occurs.

tan (1) = 53 F'(X, Y)- 2X+ 3y2 P1(2,1)=4+3= $|_{(\mathcal{O})}$