NAME: (print!) _Aayushi Kasera_   **Section:** _____

E-MAIL SCANNED .pdf OF COMPLETED QUIZ to DrZcalc3@gmail.com (Attachment: q17FirstLast.pdf) ASAP BUT NO LATER THAN Nov. 5, 8:00pm

1. Sketch the vector planar vector field

$$\mathbf{F} = \langle x, y^2 \rangle \quad .$$

Sketched on maple using plot function

2. Find a potential function for the vector field **F**

$$\mathbf{F} = \langle y\cos(xy), x\cos(xy) \rangle \quad .$$