"QUIZ" for Lecture 17

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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

8 5 9 K 10 11 12 13 14

2. Find a potential function for the vector field F

 $F = \langle y \cos(xy), x \cos(xy) \rangle$

13 14 $= L \gamma \cos(x\gamma), x \cos(x\gamma)$ 15 Y COS (XY) 16 cos(xy) t qy XCOS 18 = XCOSI 19 20 (ry 21 22

 $F = \langle x, y2 \rangle$.