Math 241 C8   **Name:**
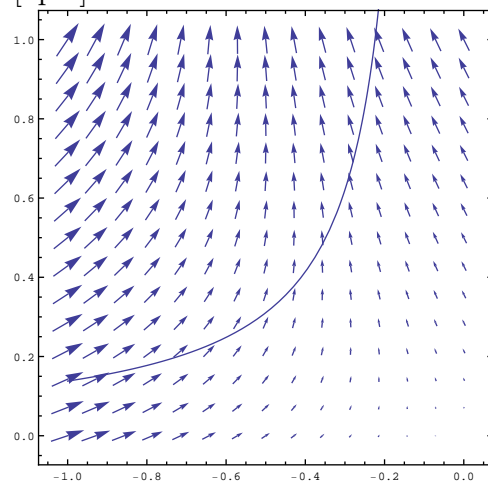
Quiz # 3

February 26, 2013

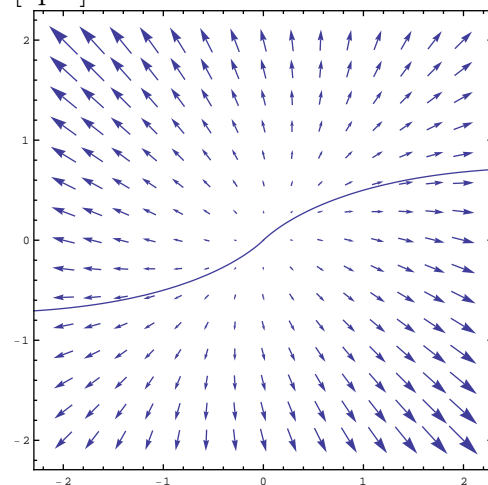No electronic devices, notes, or interpersonal communication allowed.

Show work to get credit.

(1) In each of the two pictures below, explain why the given curve is **not** a trajectory in the given vector field.

    (a) [5pts]
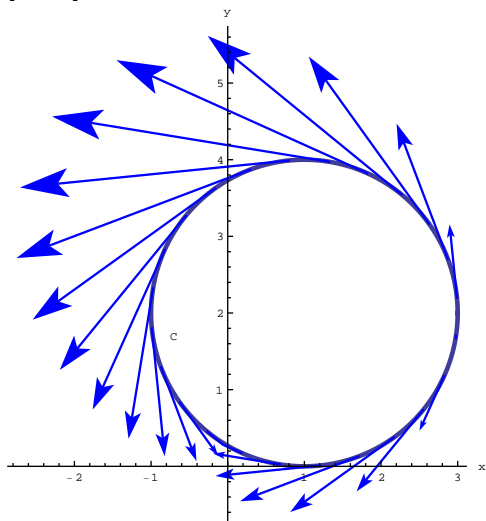

    (b) [3pts]

(2) Below are the tangential (a) and normal (b) components of a vector field **F** on the circle C. What do these tell you about the flow of **F** across/along C?

(a) [6pts]

(b) [6pts]