QUIZ 1 FOR CALC 4

(1) (6 pt) Draw the direction field for the differential equation

$$y' = \sin y.$$

The graph you are supposed to draw will be shown in the blackboard.

(2) (1 pt) What is the order of the above differential equation?

(3) (1 pt) Is it a linear differential equation? (Hint: how does the direction field of a linear equation look like?)

(4) (-8 pt if not answered) Write you name and ID in print on the upper right corner.