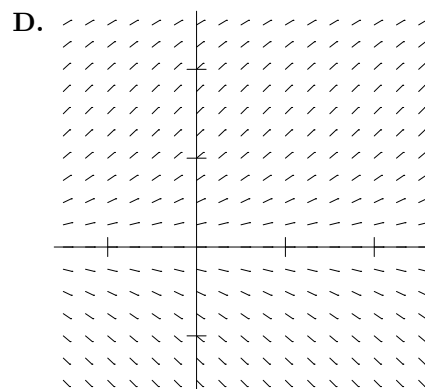
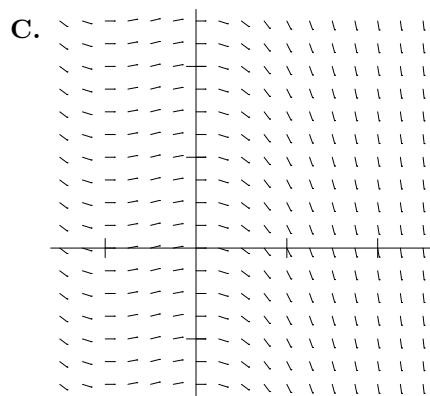
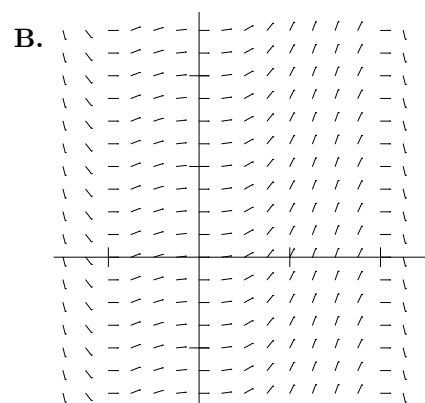
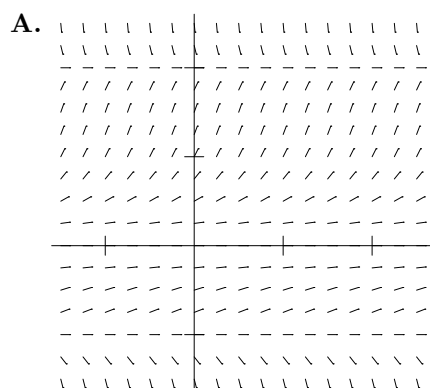
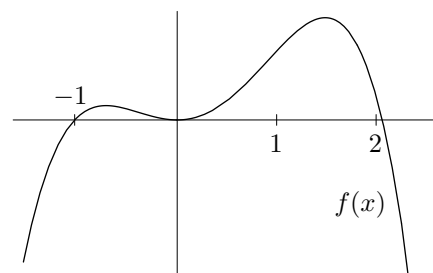


3. [8 points] Suppose that $\frac{dy}{dx} = f(x)$, where $f(x)$ is shown in the graph to the right.

(a) [4 points of 8] Which of the slope fields below (which have ticks with unit spacing) could be the slope field of this differential equation? Explain briefly.



- (b) [4 points of 8] Are there any equilibrium solutions to this differential equation? If so, what are they? If not, why not?