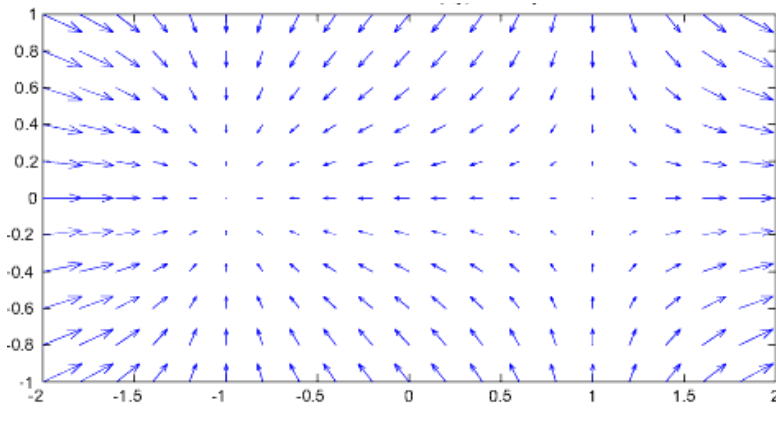
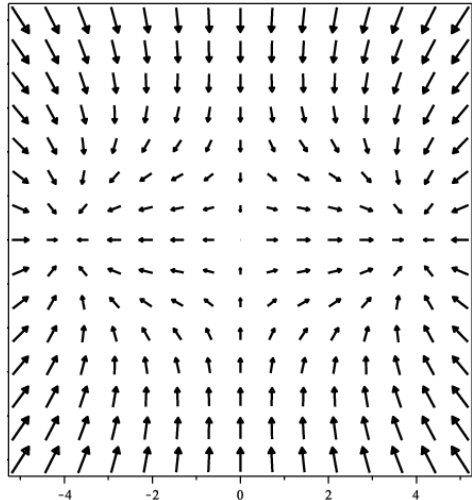
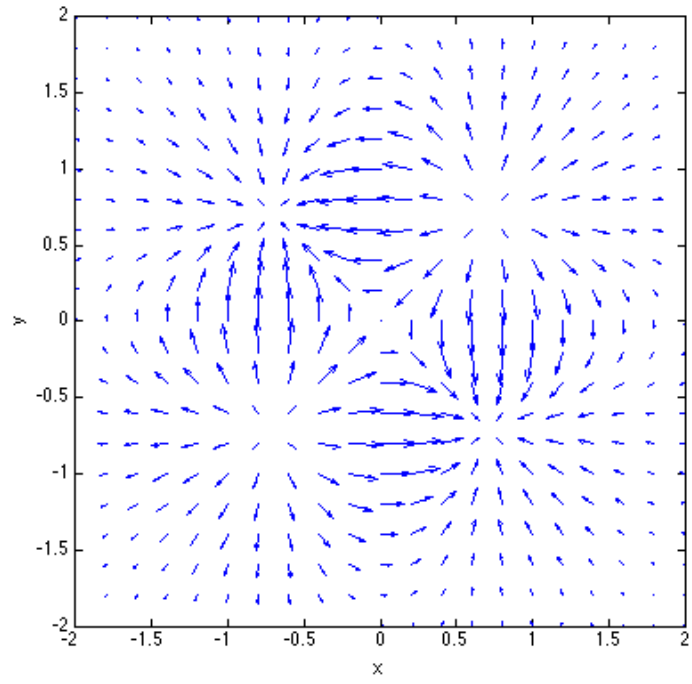


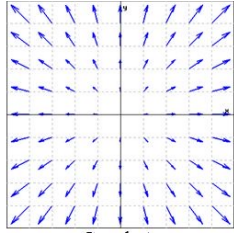
1. Each of the following is the gradient vector field of a function $f(x, y)$. For each, identify the (approximate) location of all saddle points and points at which f has a local extremum.



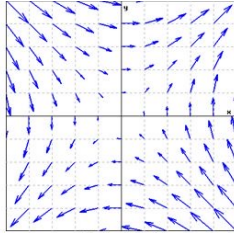


(c)

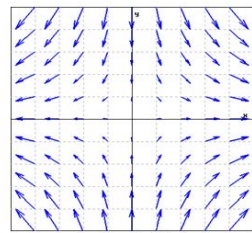
2. Match the gradient vector field of a function $f(x, y)$ to the contour plot of the graph.



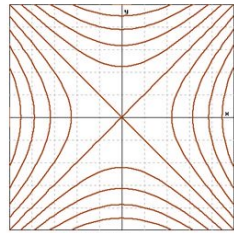
Graph A



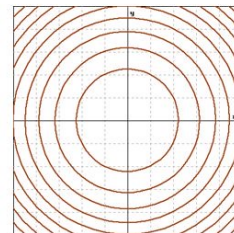
Graph B



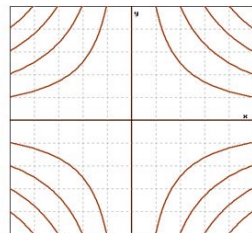
Graph C



Contour I



Contour II



Contour III