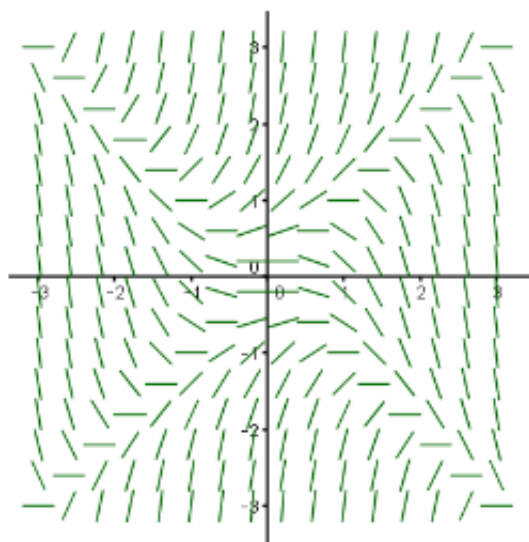


Section 8.2: Direction Fields

Group work:

Problem 1 The following is a direction field for the differential equation $\frac{dy}{dx} = y^2 - x^2$.



Sketch the solution such that $y\left(\frac{1}{2}\right) = 1$.

Problem 2 Which of the following direction fields is the direction field corresponding to the differential equation $y' = 1 + y^2$?

