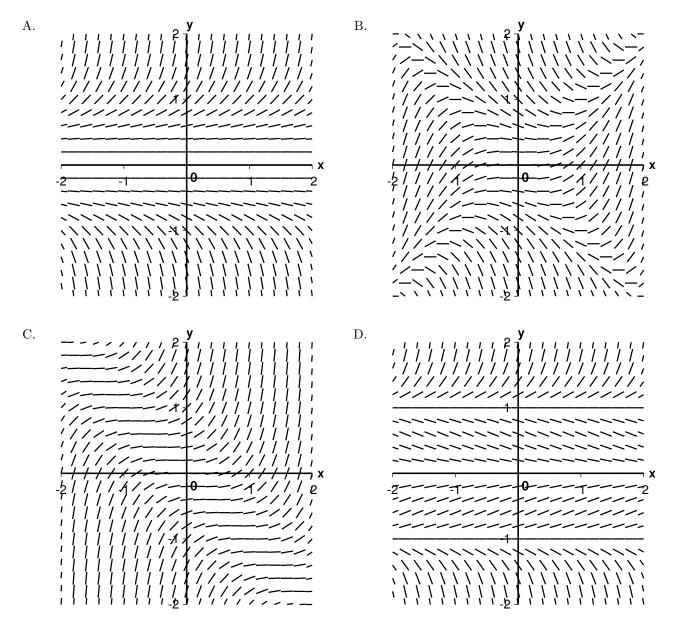
Quiz 12: 9.2 Direction Fields and Euler's Method

June 24, 2015

1. Select the direction field that corresponds to the differential equation $y' = y^3 - y$.



The differential equation $y' = y^3 - y$ is autonomous so we can eliminate B and C. Also, notice y' = y(y - 1)(y + 1) is zero when y = 0, 1, or -1 and the direction field D has zero slope when y = 0, 1, or -1, so D is correct.