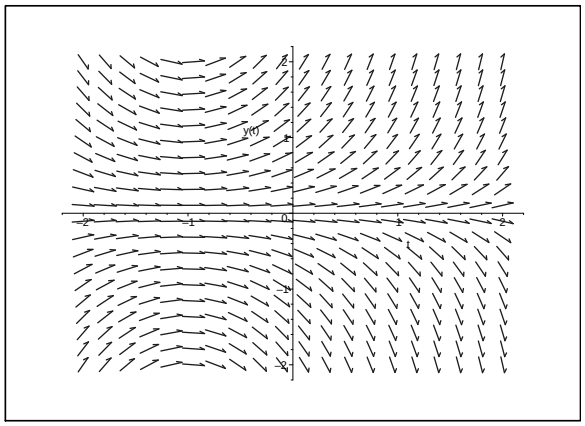
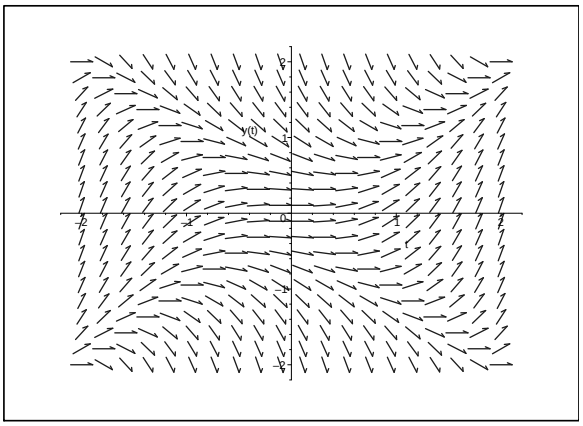
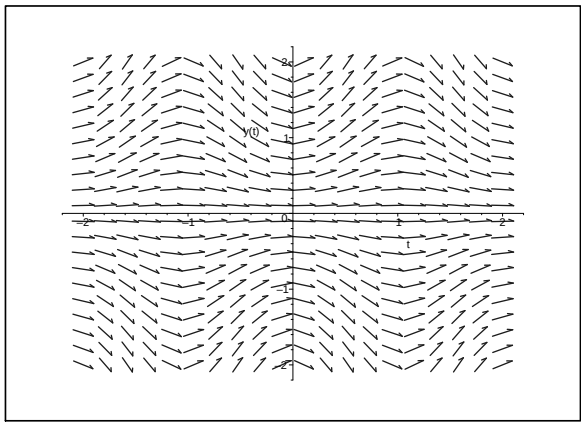
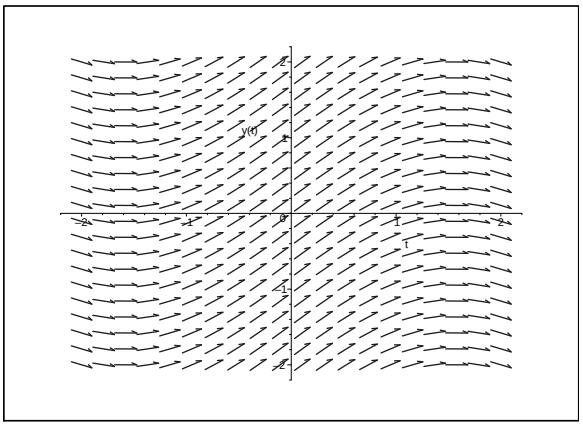


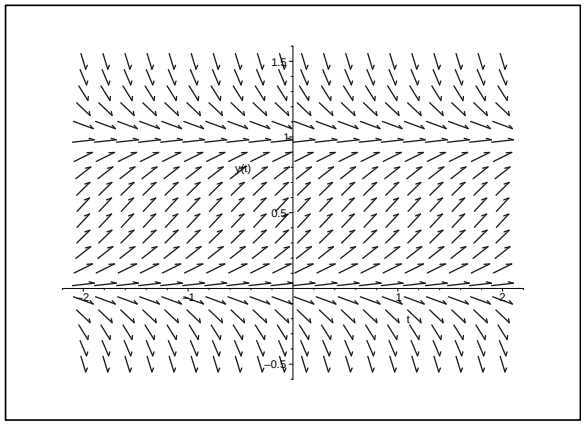



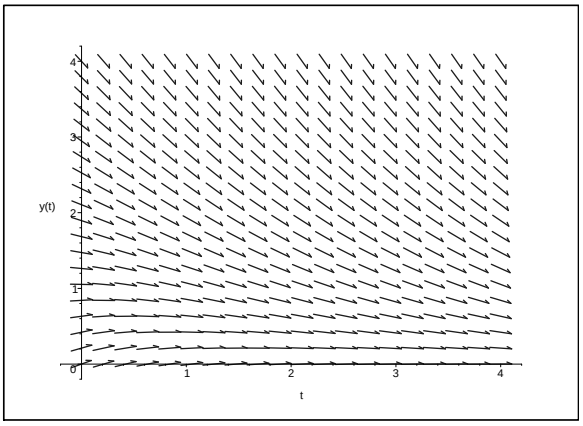

Slope fields for $f(t, y) = (t + 1)y$ and $g(t, y) = t^2 - y^2$.



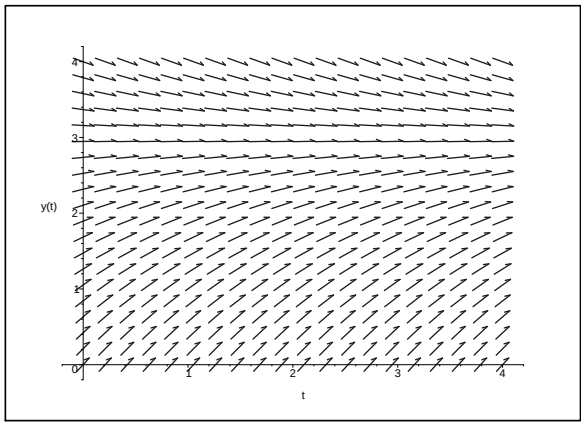



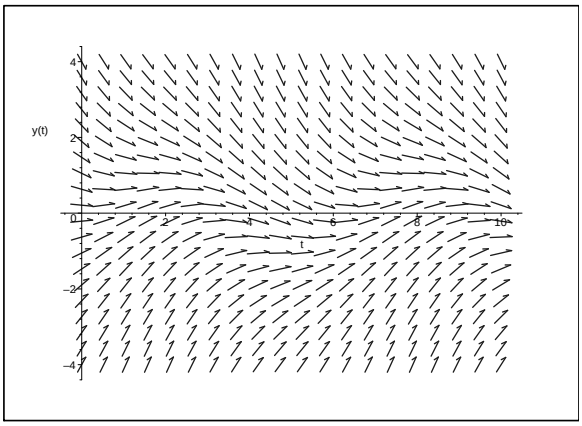

Slope fields for $f(t, y) = \sin(3t)y$ and $g(t, y) = \cos(t)$.



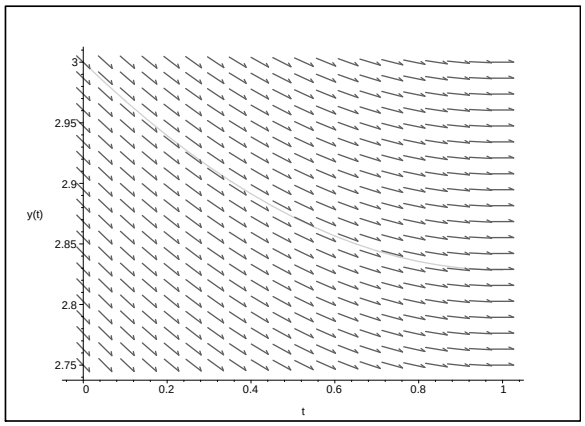



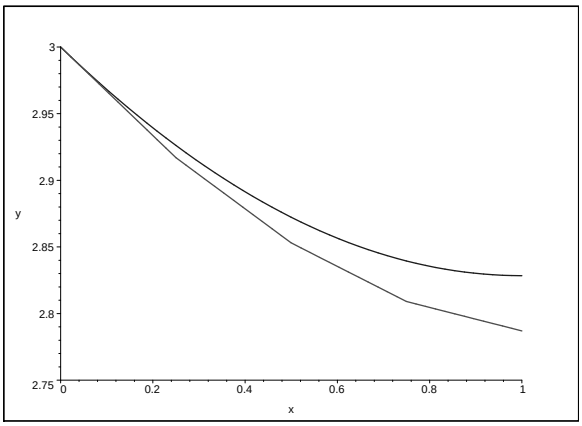

Slope fields for $f(t, y) = 3y(1 - y)$ and $f(t, I) = e^{-t}/2 - 1/2I$.




Slope fields for $f(t, I) = 3/2 - 1/2I$ and $g(t, I) = \sin(t)/2 - 1/2I$




Slope field for $f(t, y) = (t - 1)y^{-1}$ with the solution with $y(0) = 3$ highlighted, and a comparison of the exact solution (above) to the numerical approximation (below).