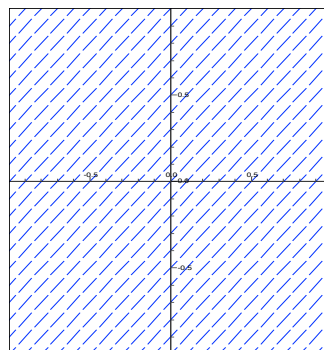


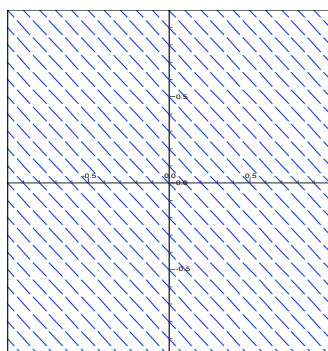
8.1 supplemental HW

1.) Which of the following could be the general solution to the differential equation whose direction field is given below:

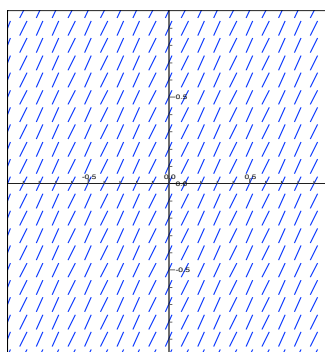
A) $y = t + C, \quad y' = 1$



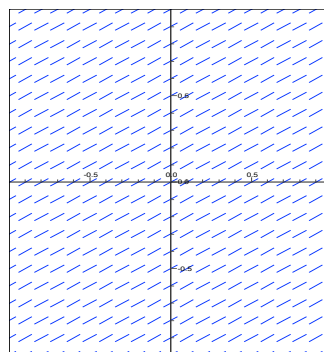
E) $y = -t + C$



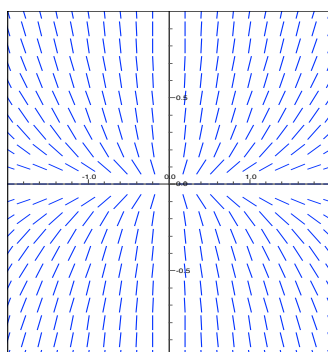
B) $y = 2t + C$



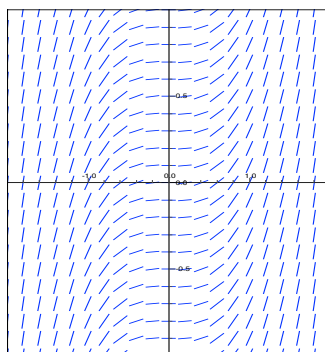
C) $y = \frac{1}{2}t + C, \quad y' = \frac{1}{2}$



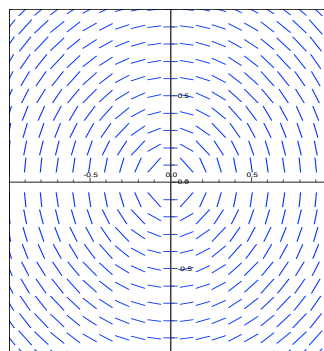
I) $y = \frac{Ct^3}{3}$



J) $y = \frac{t^3}{3} + C$

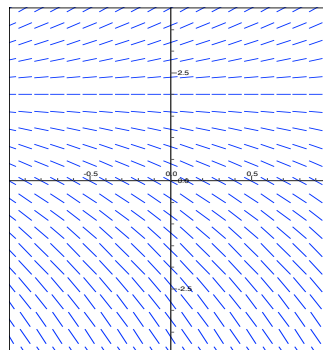


K) $x^2 + y^2 = C$

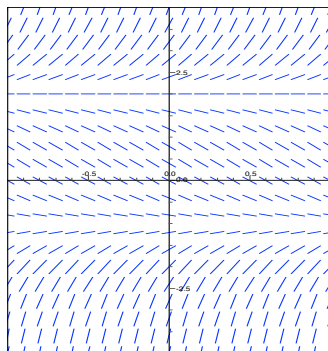


2.) Circle the differential equation whose direction field is given below:

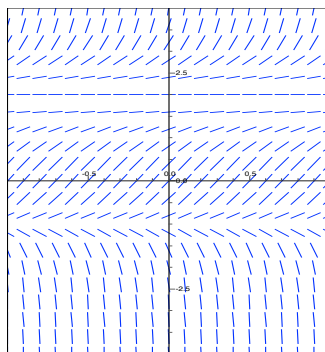
F) $y' = y - 2$



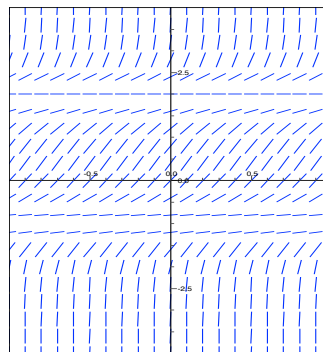
G) $y' = (y + 1)(y - 2)$



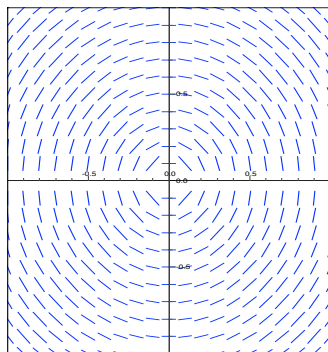
I) $y' = (y + 1)(y - 2)^2$



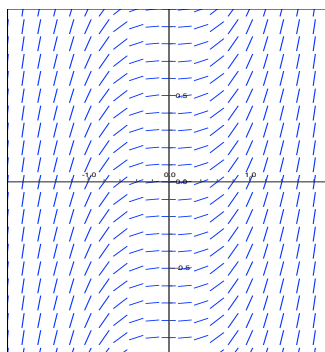
H) $y' = (y + 1)^2(y - 2)^2$



K) $y = -\frac{t}{y}$



A) $y' = t^2$



J) $y' = (y + 1)^2(y - 2)$

