



18. Make a rough sketch of a direction field for the autonomous differential equation $y' = f(y)$, where the graph of f is as

22. Use Euler's method with step size 0.2 to estimate $y(1)$, where $y(x)$ is the solution of the initial-value problem $y' = x + y^2$,

the value of $y(0)$?



23. Use Euler's method with step size 0.1 to estimate $y(0.5)$, where $y(x)$ is the solution of the initial-value problem $y' = x^2 + y^2$, $y(0) = 1$.