Quiz 6
10/23/2023

1. Consider the initial-value problem $y' = y^2 - x$, $y(1) = 0$. Write the recursive formula of the Euler's method for this equation. Estimate the values of $y(1.1)$, $y(1.2)$, $y(1.3)$.

turn to the page for the next problem...

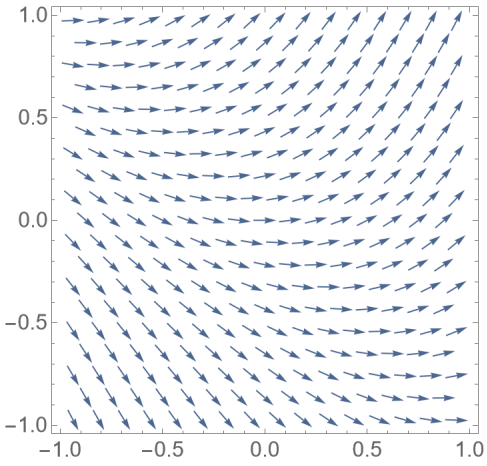
2. Identify the direction field corresponding to each given differential equation. See the figures on the next page.

_____ $y' = x - y$

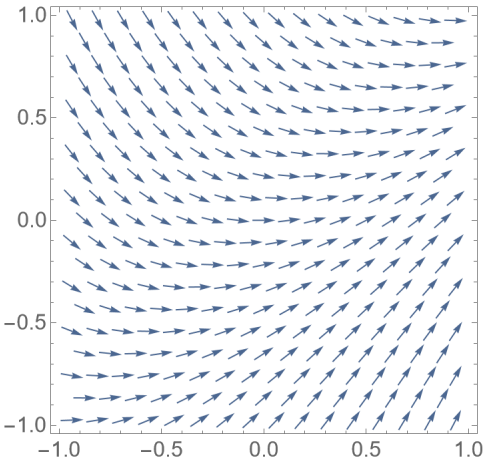
_____ $y' = -x - y$

_____ $y' = x + y$

_____ $y' = -x + y$



(a)



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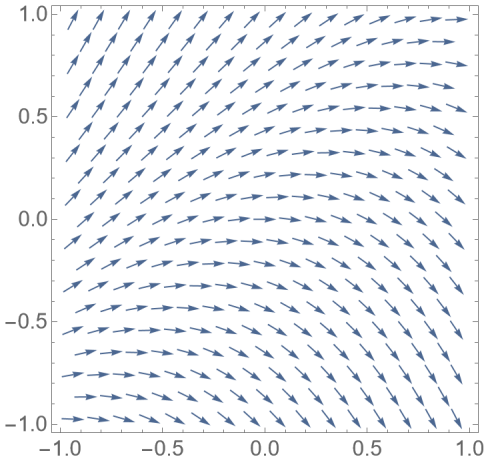
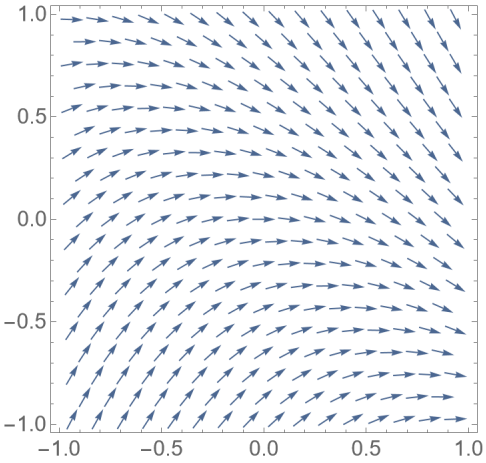


(c)



(d)