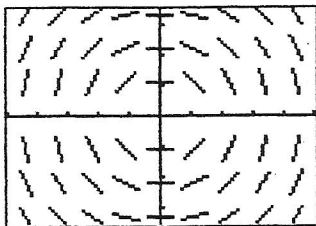
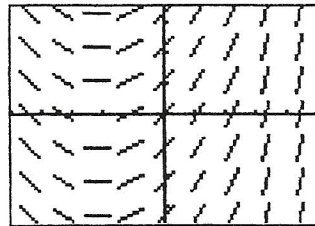


Match the slope fields with their differential equations.

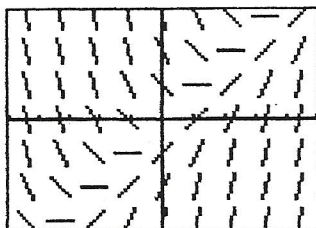
(A)



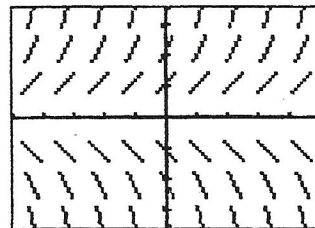
(B)



(C)



(D)



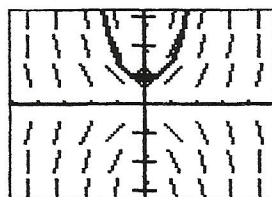
15. $\frac{dy}{dx} = \frac{1}{2}x + 1$

17. $\frac{dy}{dx} = x - y$

16. $\frac{dy}{dx} = y$

18. $\frac{dy}{dx} = -\frac{x}{y}$

19. The calculator drawn slope field for the differential equation $\frac{dy}{dx} = xy$ is shown in the figure below. The solution curve passing through the point $(0, 1)$ is also shown.
- Sketch the solution curve through the point $(0, 2)$.
 - Sketch the solution curve through the point $(0, -1)$.



20. The calculator drawn slope field for the differential equation $\frac{dy}{dx} = x + y$ is shown in the figure below.
- Sketch the solution curve through the point $(0, 1)$.
 - Sketch the solution curve through the point $(-3, 0)$.

