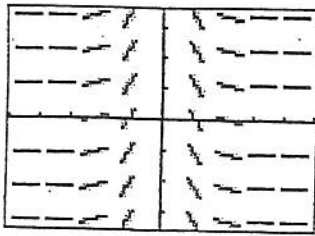
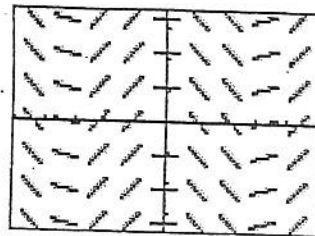


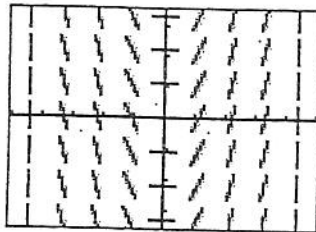
(A)



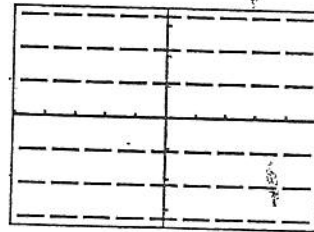
(B)



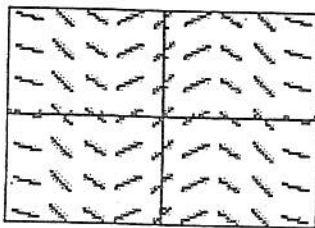
(C)



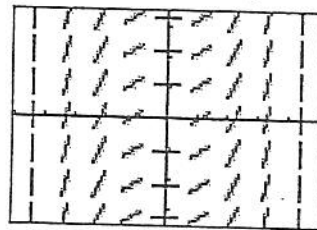
(D)



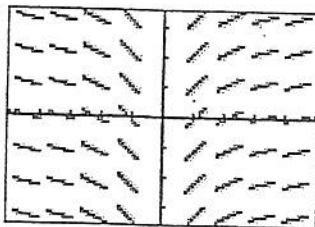
(E)



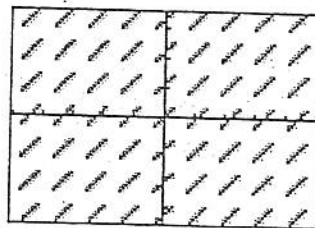
(F)



(G)



(H)



$$1. \frac{dy}{dx} = 0$$

$$2. \frac{dy}{dx} = 1$$

$$3. \frac{dy}{dx} = 2x$$

$$4. \frac{dy}{dx} = \frac{1}{2}x^2$$

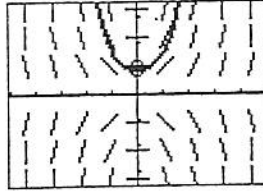
$$5. \frac{dy}{dx} = \frac{1}{-2x^3}$$

$$6. \frac{dy}{dx} = \cos x$$

$$7. \frac{dy}{dx} = -\sin x$$

$$8. \frac{dy}{dx} = \frac{1}{x}$$

-
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.
- (a) Sketch the solution curve through the point $(0, 2)$.
- (b) 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.
- (a) Sketch the solution curve through the point $(0, 1)$.
- (b) Sketch the solution curve through the point $(-3, 0)$.

