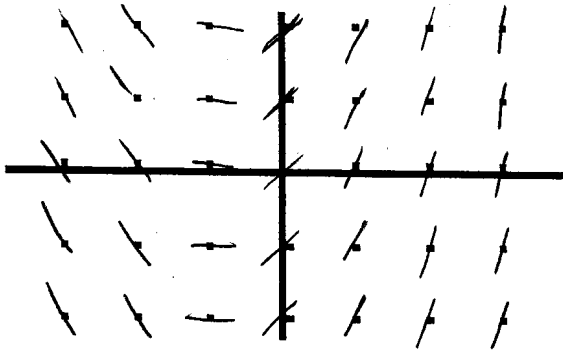


SLOPE FIELDS

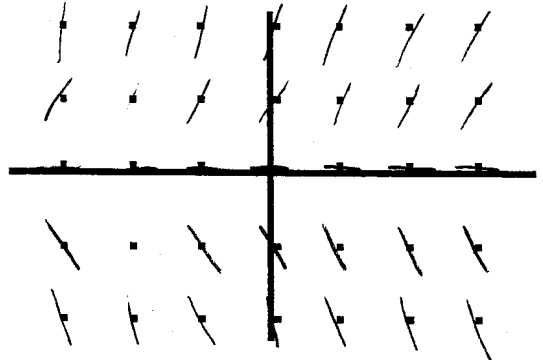
Assignment 6.2 - KEY

Draw a slope field for each of the following differential equations.

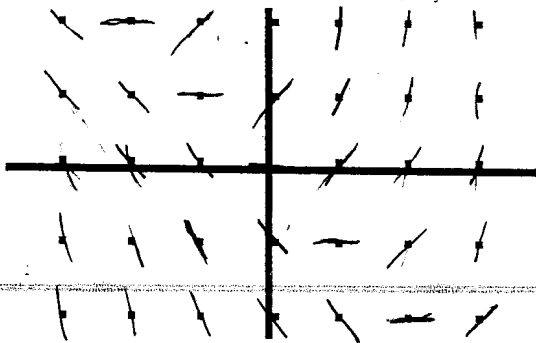
1. $\frac{dy}{dx} = x+1$



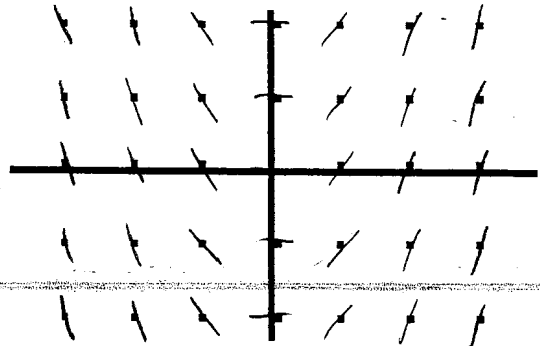
2. $\frac{dy}{dx} = 2y$



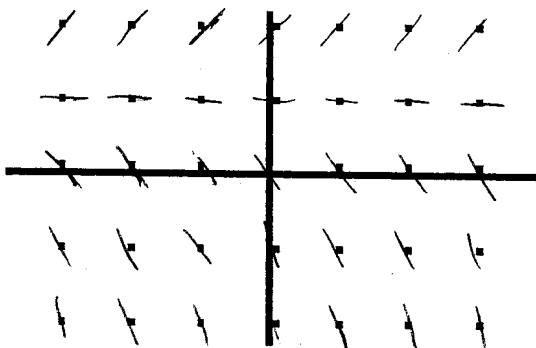
3. $\frac{dy}{dx} = x+y$



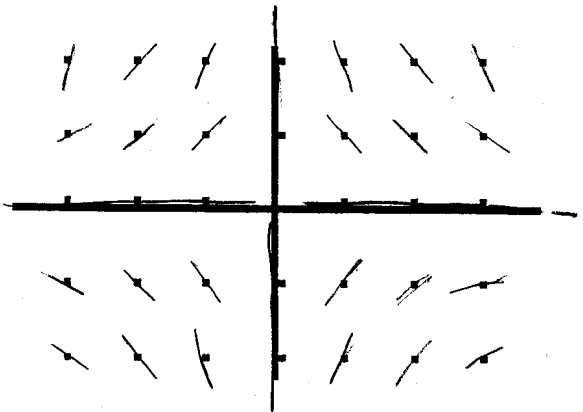
4. $\frac{dy}{dx} = 2x$



5. $\frac{dy}{dx} = y-1$

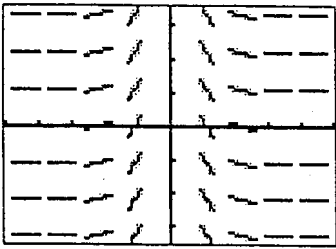


6. $\frac{dy}{dx} = -\frac{y}{x}$

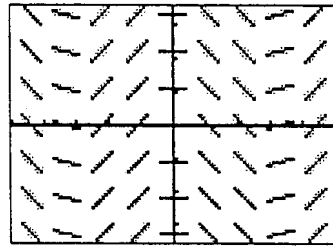


Match each slope field with the equation that the slope field could represent.

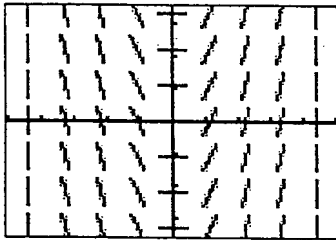
(A)



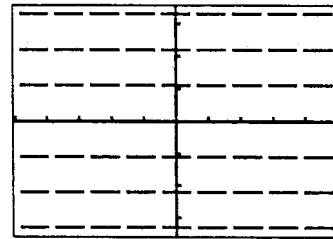
(B)



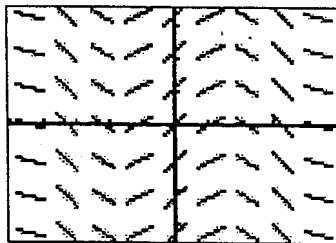
(C)



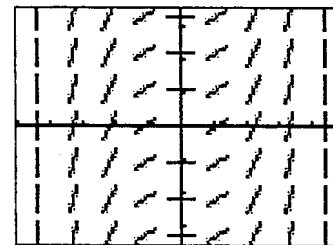
(D)



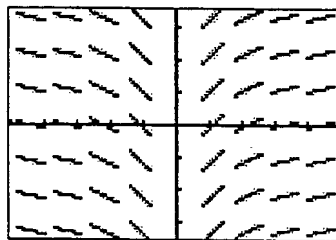
(E)



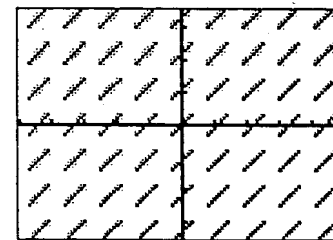
(F)



(G)



(H)



7. $y=1$ D

11. $y=\frac{1}{x^2}$ A

8. $y=x$ H

12. $y=\sin x$ E

9. $y=x^2$ C

13. $y=\cos x$ B

10. $y=\frac{1}{6}x^3$ F

14. $y=\ln|x|$ G