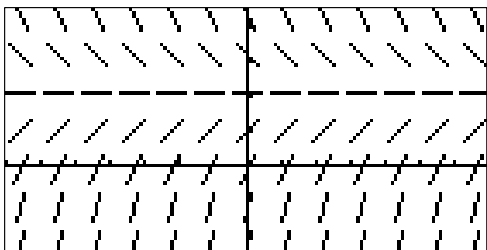
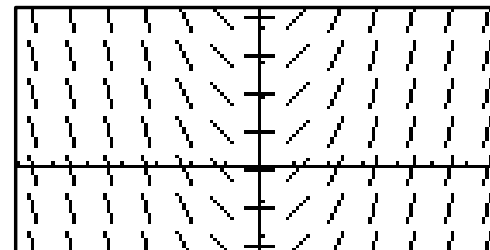


Match the slope fields with their differential equations.

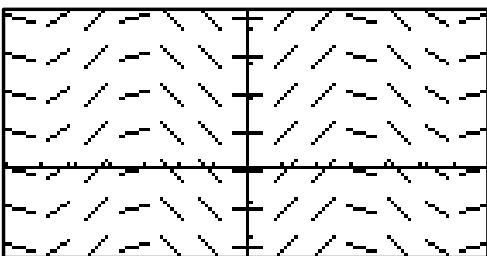
(A)



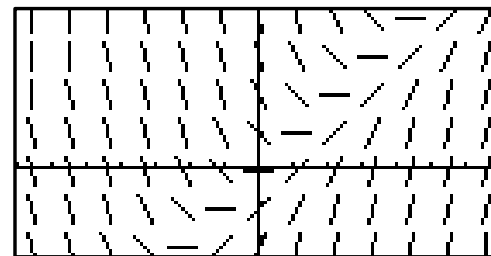
(B)



(C)



(D)



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

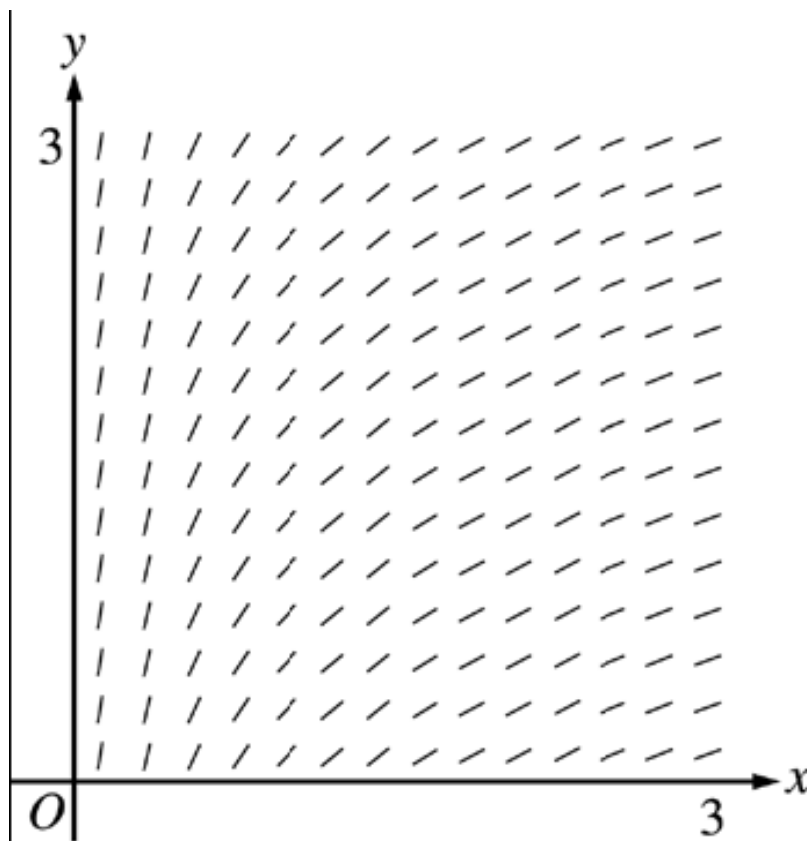
8. $\frac{dy}{dx} = x - y$

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

10. $\frac{dy}{dx} = x$

From the May 2008 *AP Calculus Course Description*:

15.



From: http://apcentral.collegeboard.com/apc/public/repository/ap08_calculus_slopefields_worksheet.pdf

- (A) $y = x^2$ (B) $y = e^x$ (C) $y = e^{-x}$ (D) $y = \cos x$ (E) $y = \ln x$

The slope field from a certain differential equation is shown above. Which of the following could be a specific solution to that differential equation?

- (A) $y = x^2$ (B) $y = e^x$ (C) $y = e^{-x}$ (D) $y = \cos x$ (E) $y = \ln x$