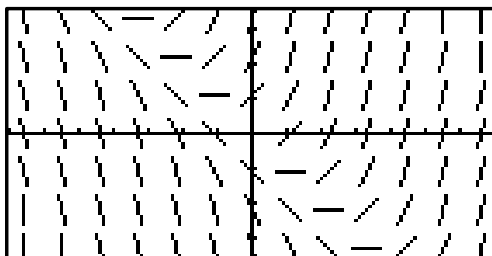Match the slope fields with their differential equations.
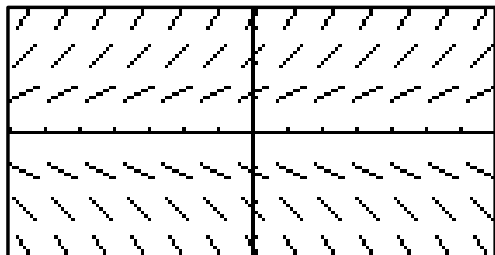
(A)
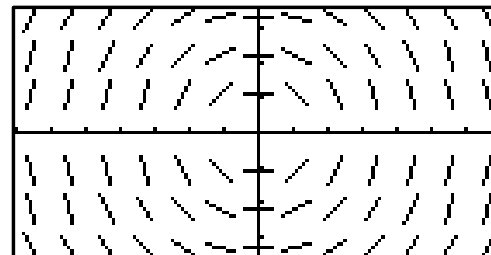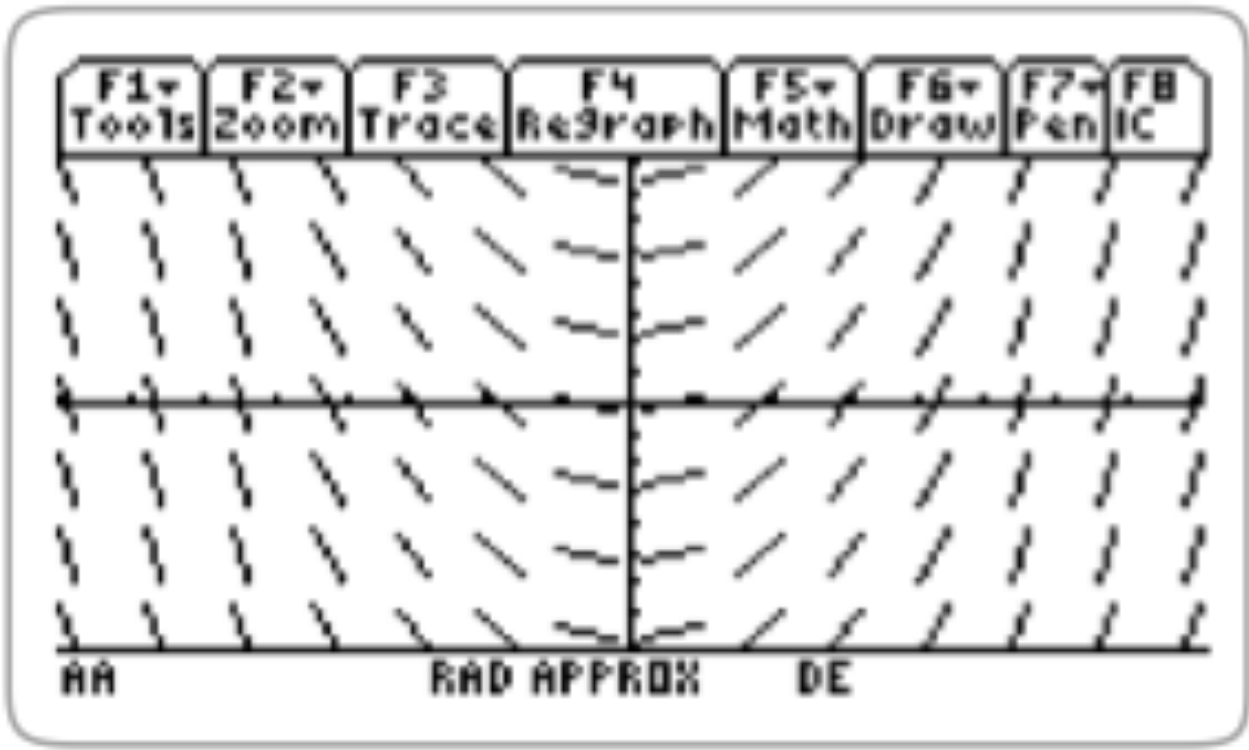
(B)

(C)

(D)

11. $\dfrac{dy}{dx} = 0.5x - 1$ 12. $\dfrac{dy}{dx} = 0.5y$ 13. $\dfrac{dy}{dx} = -\dfrac{x}{y}$ 14. $\dfrac{dy}{dx} = x + y$

7. Which of the following could be a solution of the differential equation with the given slope field?

(A) $y = x + 1$

(B) $y = x^2 + 2$

(C) $y = x^3 - 2$

(D) $y = \ln(x + 1)$

(E) $y = 2e^x$