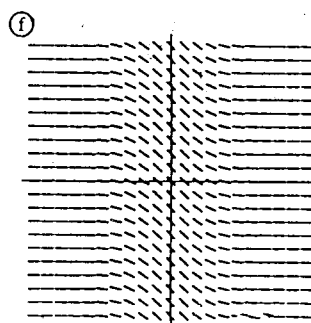
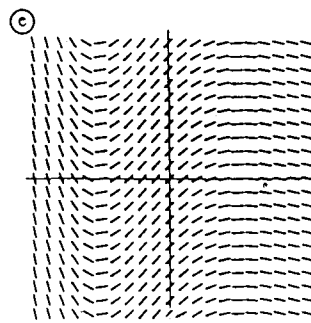
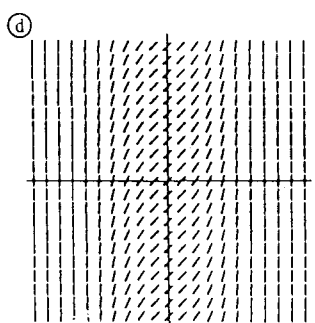
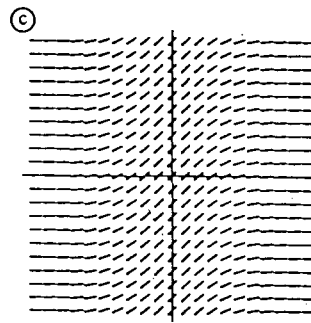
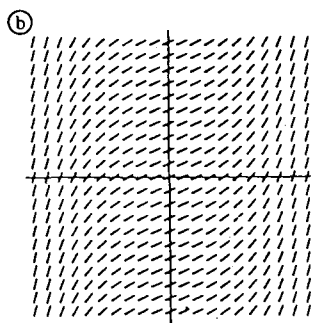
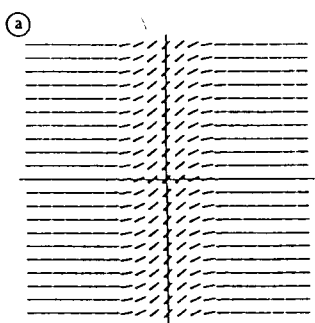


1. Match the following differential equations to their slope fields.

i) $\frac{dy}{dx} = e^{x^2}$ ii) $\frac{dy}{dx} = e^{-2x^2}$ iii) $\frac{dy}{dx} = e^{-0.5x^2}$ iv) $\frac{dy}{dx} = e^{-0.5x} \cos x$

v) $\frac{dy}{dx} = \frac{1}{(1+0.5 \cos x)^2}$ vi) $\frac{dy}{dx} = -e^{-x^2}$



2. Match the following differential equations to their slope fields. Create differential equations for the remaining slope fields. Note – there can be many answers.

i) $y' = 4 - y$ ii) $y' = \sin x$ iii) $y' = 1 + y$

