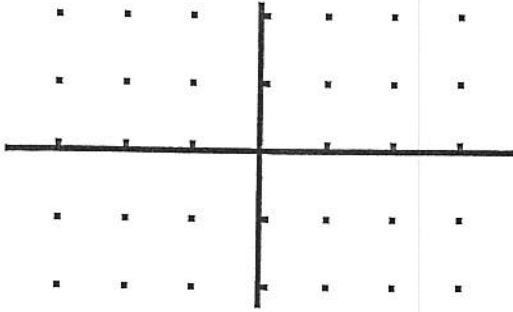


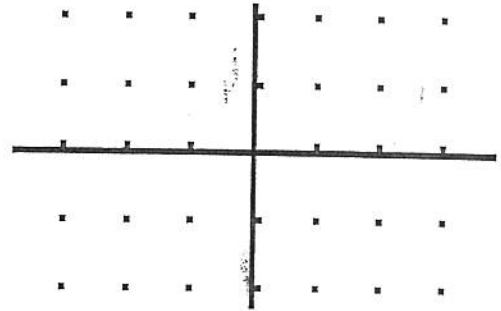
## SLOPE FIELDS

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

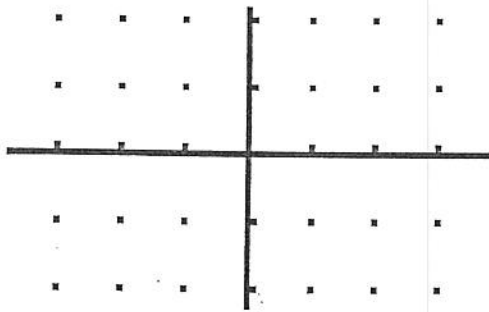
1.  $\frac{dy}{dx} = x + 1$



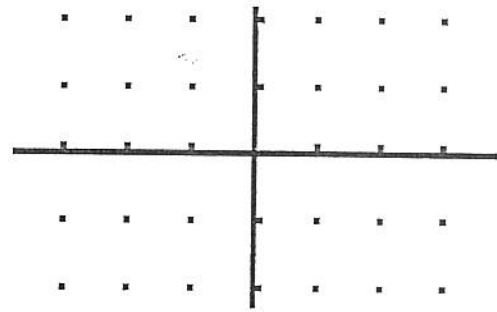
2.  $\frac{dy}{dx} = 2y$



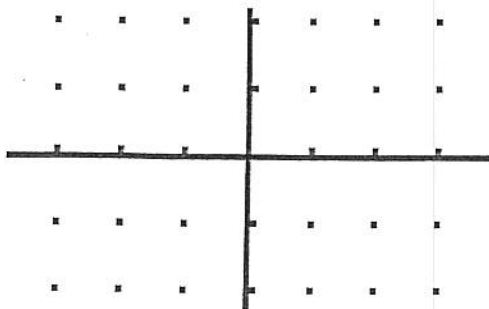
3.  $\frac{dy}{dx} = x + y$



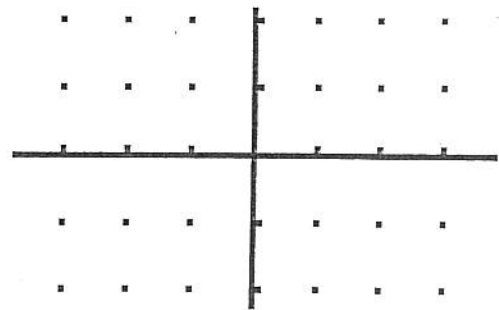
4.  $\frac{dy}{dx} = 2x$



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

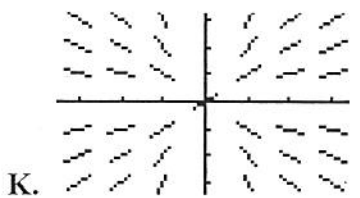
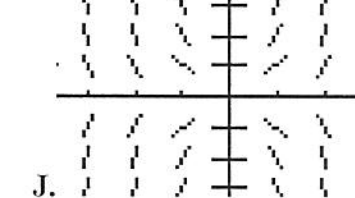
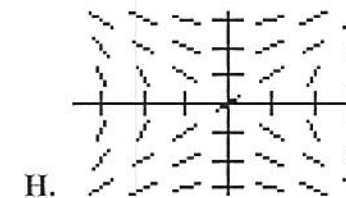
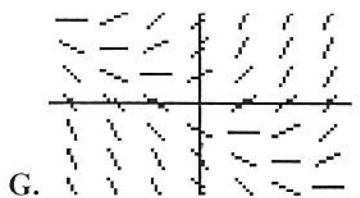
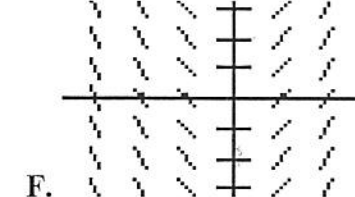
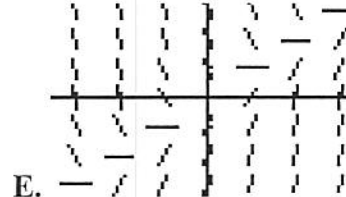
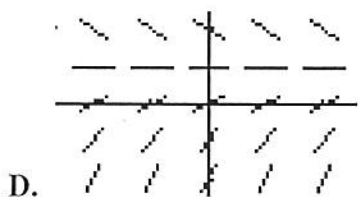
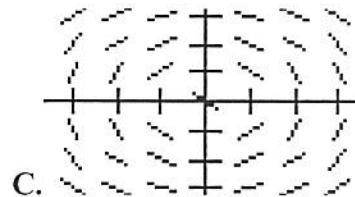
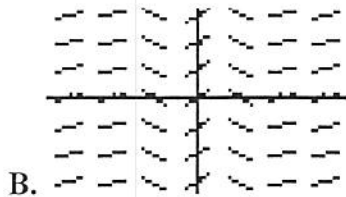
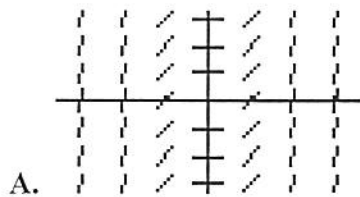


6.  $\frac{dy}{dx} = -\frac{y}{x}$



## Slope Fields Practice

Below are examples of SLOPE FIELDS. Match them with their differential equations.



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

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

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

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

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

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

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

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

9.  $\frac{dy}{dx} = xy$

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