

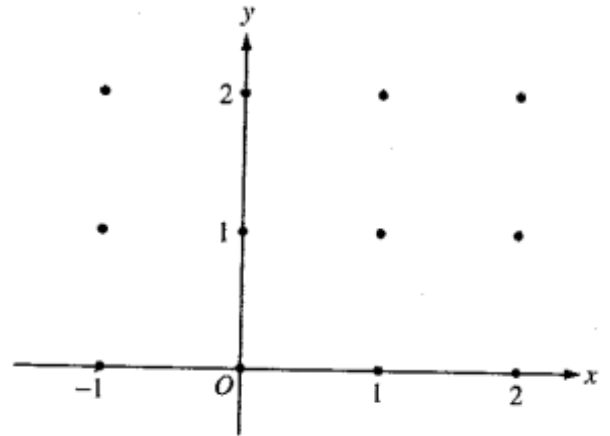


D-DE4

Consider the differential equation  $\frac{dy}{dx} = \frac{x-1}{y^2}$

3. On the axes provided, sketch a slope field at the points indicated.

4. While only some points are graphed, the slope field drawn in the previous problem is defined for many others. Describe all points in the  $xy$ -plane that have negative slope.



D-DE5

5. Choose the differential equation that could be represented by the given slope field.

- A)  $\frac{dy}{dx} = \frac{x}{y}$       B)  $\frac{dy}{dx} = xy$   
 C)  $\frac{dy}{dx} = x - y$       D)  $\frac{dy}{dx} = x + y$

