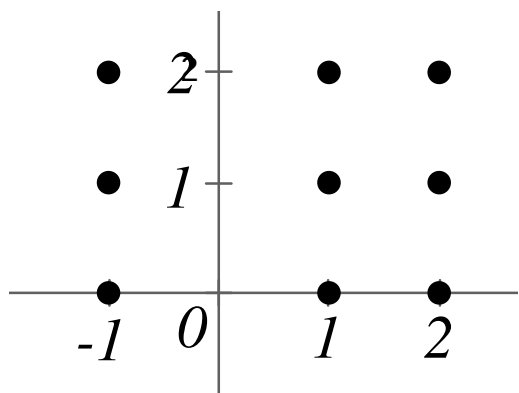


HW 6-1 SLOPE FIELDS

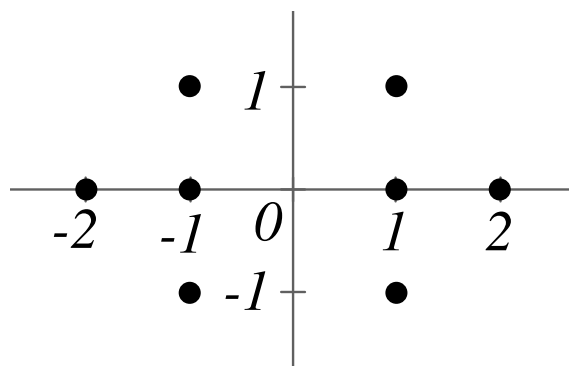
NAME: _____

Draw a slope field for each of the following differential equations

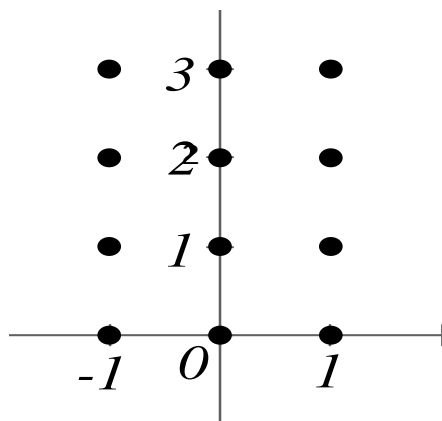
1) At 9 points indicated for $\frac{dy}{dx} = \frac{y-1}{x^2}$



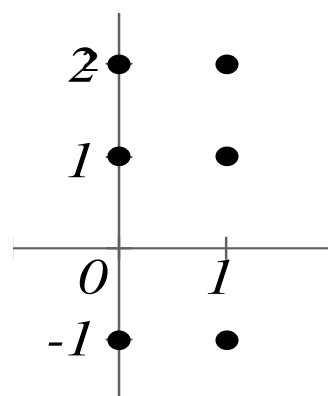
2) At 8 points indicated for $\frac{dy}{dx} = \frac{1+y}{x}$



3) At 12 points indicated for $\frac{dy}{dx} = x^2(y-1)$

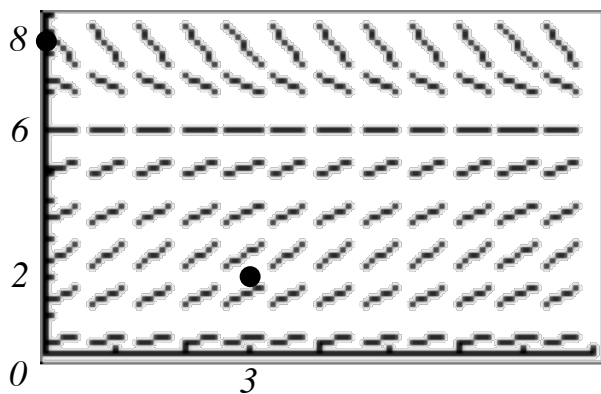


4) At 6 points indicated for $\frac{dy}{dx} = 2x - y$



Here are the slope fields for the given differential equations. Sketch the solution for the given point.

5) $\frac{dy}{dx} = \frac{y}{8}(6-y)$ thru $(0, 8)$ $(3, 2)$



6) $\frac{dy}{dx} = (3-y)\cos x$ thru $(0, 1)$

