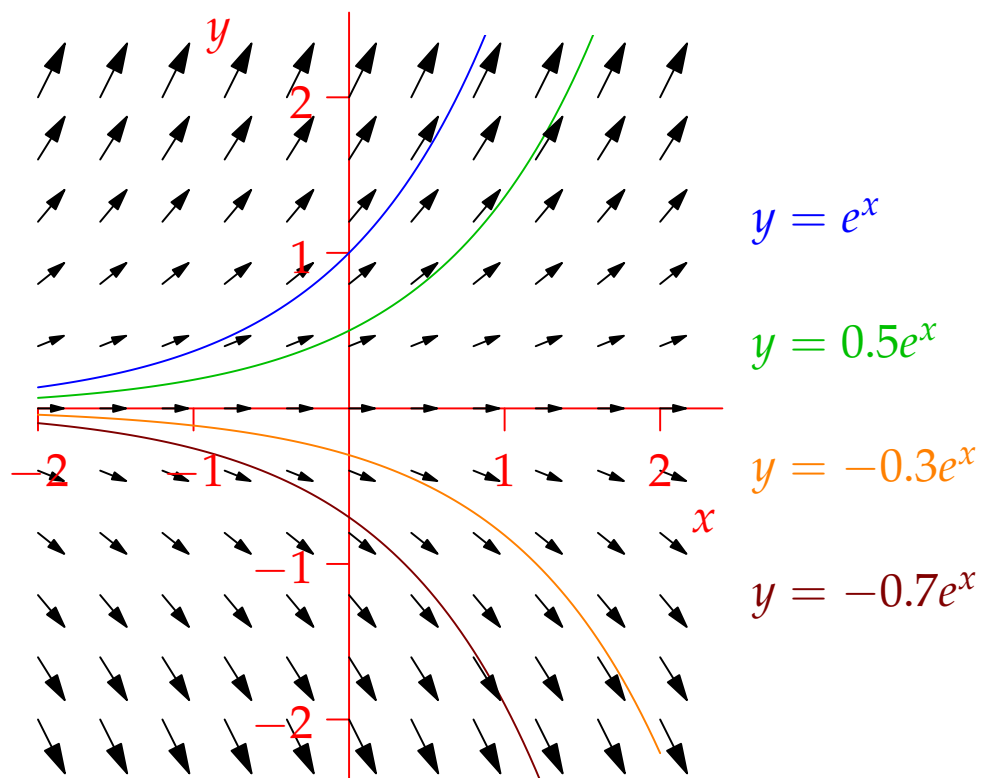


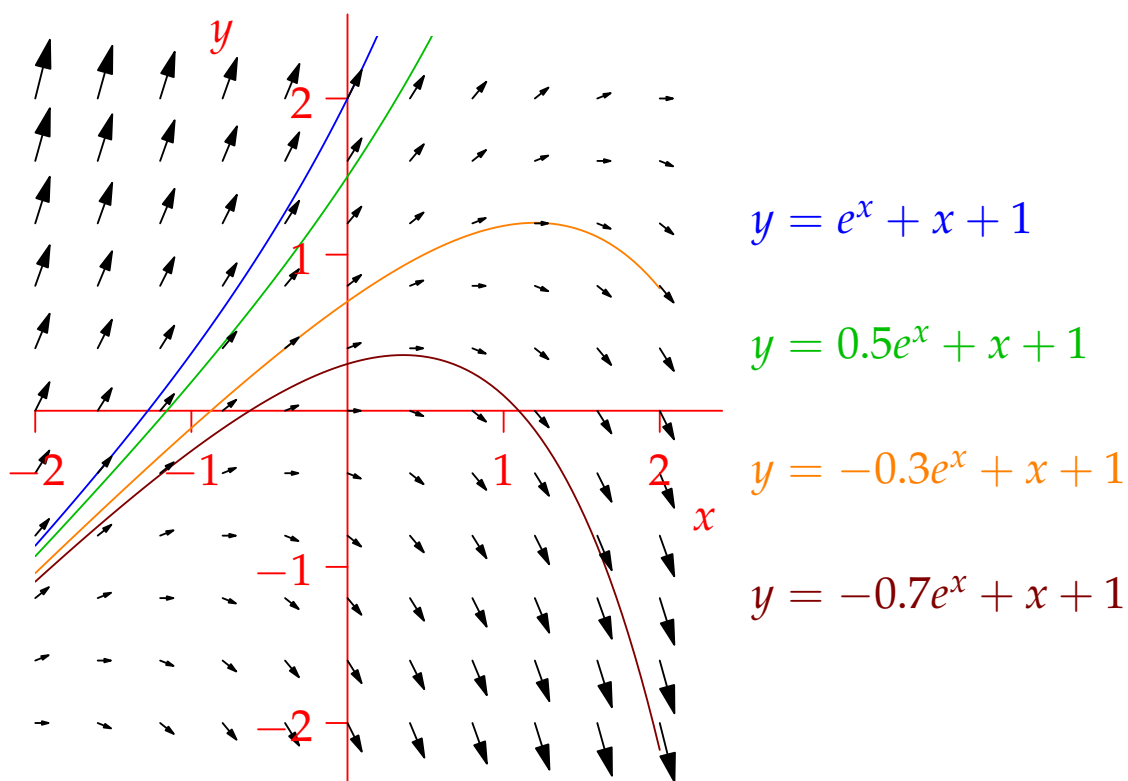
Slope Fields Graphics

Sketch each slope field and fit solution curves tangent to the arrows

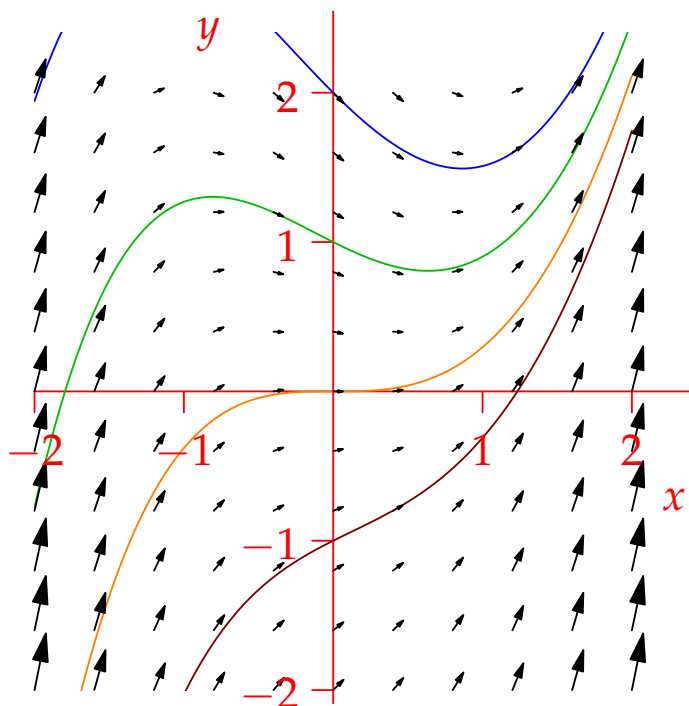
$\frac{dy}{dx} = y$ has solutions $y = ce^x$ where c is any constant



$$\frac{dy}{dx} = y - x \text{ has solutions } y = ce^x + x + 1$$



$$\frac{dy}{dx} = x^2 - \frac{1}{2}y \text{ has solutions } y = ce^{-x/2} + 2x^2 - 8x + 16$$



$$y = -14e^{-x/2} + 2x^2 - 8x + 16$$

$$y = -15e^x + 2x^2 - 8x + 16$$

$$y = -16e^x + 2x^2 - 8x + 16$$

$$y = -17e^x + 2x^2 - 8x + 16$$