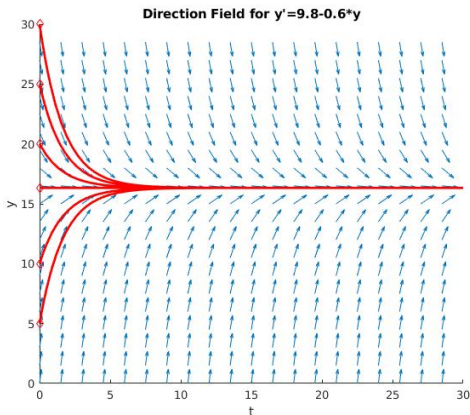


Analytic solutions

Section 1.2

Falling Sky-diver ($\frac{dy}{dt} = g - \frac{\gamma y}{m}$) : Integral curves

$$y(t) = 16\frac{1}{3} + Ce^{-0.6t}$$



Mice population ($\frac{dy}{dt} = rp - k$) : Integral curves

$$y(t) = 900 + Ce^{\frac{t}{2}}$$

