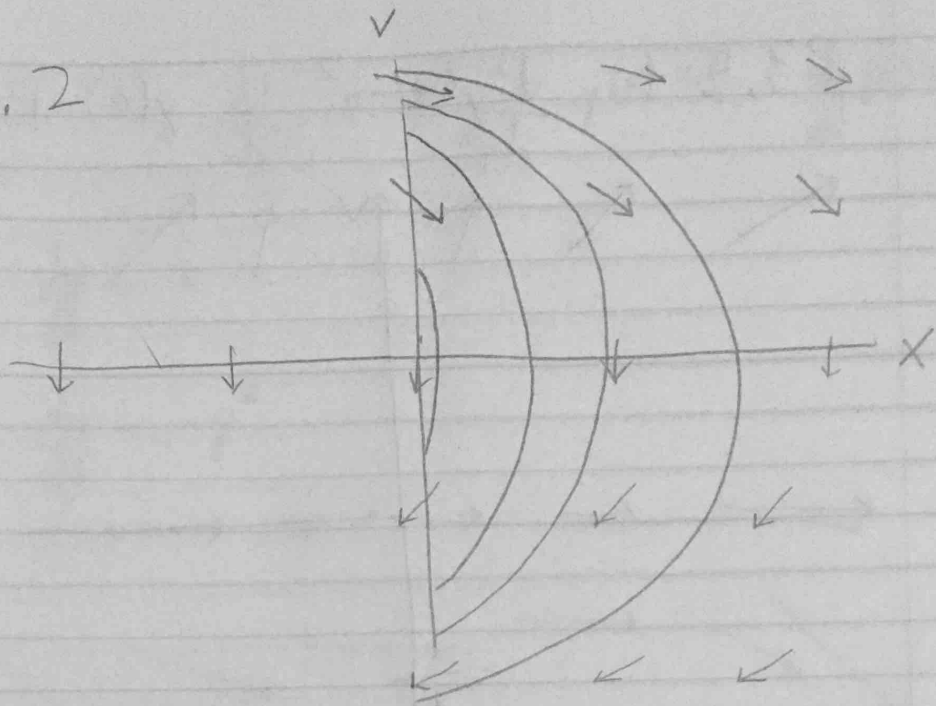


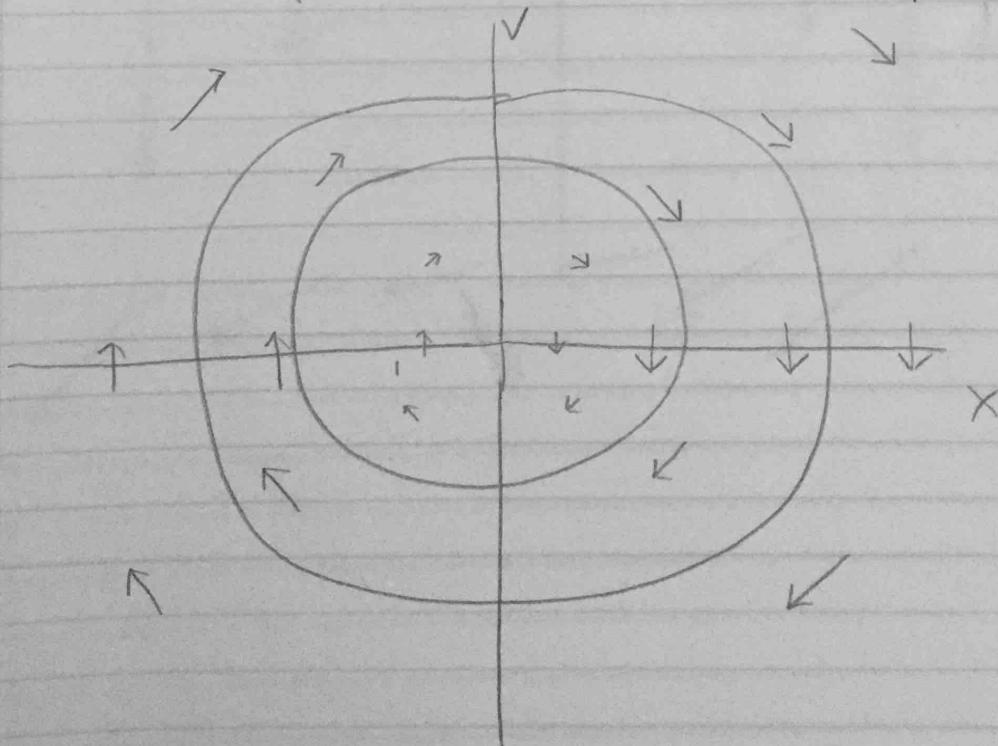
P3.2



P3.3

$$\frac{dx}{dt} = v$$

$$\frac{dv}{dt} = -x$$



P3.5

$$\frac{d^2 y}{dt^2} = -y^2$$

$$y(0) = 1$$

$$\frac{dy}{dt}(0) = 0$$

$$\frac{dy}{dt} = v$$

$$\frac{dv}{dt} = -y^2$$

