Problem 1a:
Sketch the slop field by hand for the differential equation $\mathrm{dx} / \mathrm{dt}=1-0.5 \mathrm{t}$ and sketch by hand the solution to the initial value problem corresponding to the initial conditions $x(0)=1$

Problem 1b:
By hand sketch the solution to the differential equation over the VectorPlot corresponding to the initial condition $x(0)=1$

Problem 1 c :
By hand sketch or highlight the solution over the StreamPlot corresponding to the initial condition $x(0)$ $=1$
$\ln [39]:=\{\operatorname{VectorPlot}[\{1,1-0.5 t\},\{t,-2,2\},\{x,-2,2\}$, ImageSize $\rightarrow$ 300],
StreamPlot $[\{1,1-0.5 t\},\{t,-2,2\},\{x,-2,2\}$, ImageSize $\rightarrow$ 300]\}



