$clc \ ; \ clear$
$g = 9.81 \ ; \ m = 68.1 \ ; \ c = 12.5$
$t = [0{:}\,2{:}\,20]';$
$v = \left(\frac{gm}{c}\right) * \left(1 - \exp\left(-\frac{ct}{m}\right)\right);$
$Plot\ (t, v);$

Note: t had to be transposed in order for the plot to work correctly

Different elements of a graph that can be added:

$title(`Plot\ of\ v\ VS.\ t')$
$xlabel(`Values\ of\ t')$
$ylabel(`Values\ of\ v')$
$grid$

You can add data marks by modifying the plot command:
$Plot\ (t,\ v,\ 'ro{:}');$

You can use the 'hold on' command to keep the current data on the graph
$hold\ on$
$hold\ off$