$$x(t) = -\frac{1}{2} \quad \text{for } t \text{ Vot}$$

$$(b)$$
 $m\vec{a} = -\lambda \vec{v}$

$$\dot{\mathbf{V}} = \frac{-\lambda}{m} \mathbf{V}$$

$$\left(e^{-\frac{\lambda}{m}}\right) = \frac{\lambda}{m} e^{-\frac{\lambda}{m}}$$



