1.

The switch has been in position A for a long time. At time $t = 0$ the switch moves to position B.

a) Find $\vec{V}(t)$ and $\vec{I}(t)$.
b) Find a differential equation for $\vec{V}(t)$ for $t \geq 0$.
c) Solve for $\vec{V}(t)$ for $t \geq 0$.
d) Find $\vec{I}(t)$ for $t \geq 0$.

2.

The switch has been in position A for a long time. At time $t = 0$ the switch moves to position B.

a) Find $i_1(t)$, $v_2(t)$.
b) Find a differential equation for $i_1(t)$ for $t \geq 0$.
c) Find $i_2(t)$ for $t \geq 0$.
d) Find $v_2(t)$ for $t \geq 0$.
e) Find $i_2(t)$ for $t \geq 0$. 
