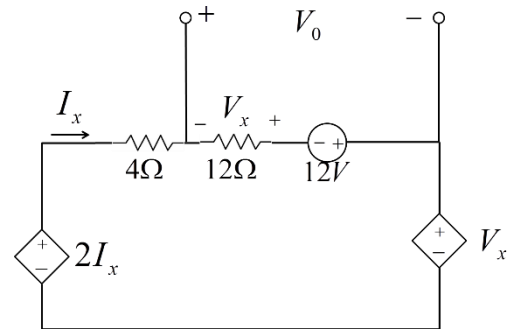


Section # _____ Name (PRINT): _____, _____
 (LAST NAME) (First Name)

Equations and the law leading to the equations must be clearly written.

2.1 Find V_0 in the circuit in the following figure (5 points):



2.2 For the circuit shown, given $i_s(t) = 5 u(t - 10)$ Amps (i.e., a current of 5A is applied at $t=10$ second. Find $v(t)$ then plot $v(t)$. (3 points for $v(t)$, and 2 points for the plot)

(Note: you may find that using source transformation is convenient for solving this problem. However, you can also solve this problem by the hard way of applying KCL/KVL).

