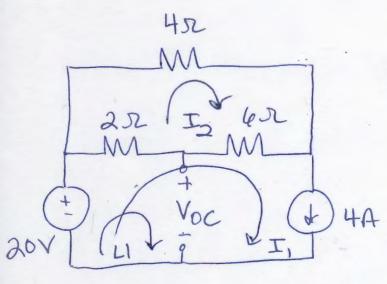
EE 213 Honors – Spring 2020 Quiz 3 - 20 points Name Solutions

Using a Thevenin Equivalent Circuit, find the current through the $10~\Omega$ resistor, I_L .



$$I_1 = 4$$
 $M_2: -4I_2 - 8(I_2 - I_1) = 0$
 $-12I_2 = -32$
 $I_3 = 2.67A$

Submesh L1 $20 - 2(I_1 - I_2) - V_{0C} = 0$ $\frac{V_{0C} = 17.33V}{V_{TH} = 17.33V}$

