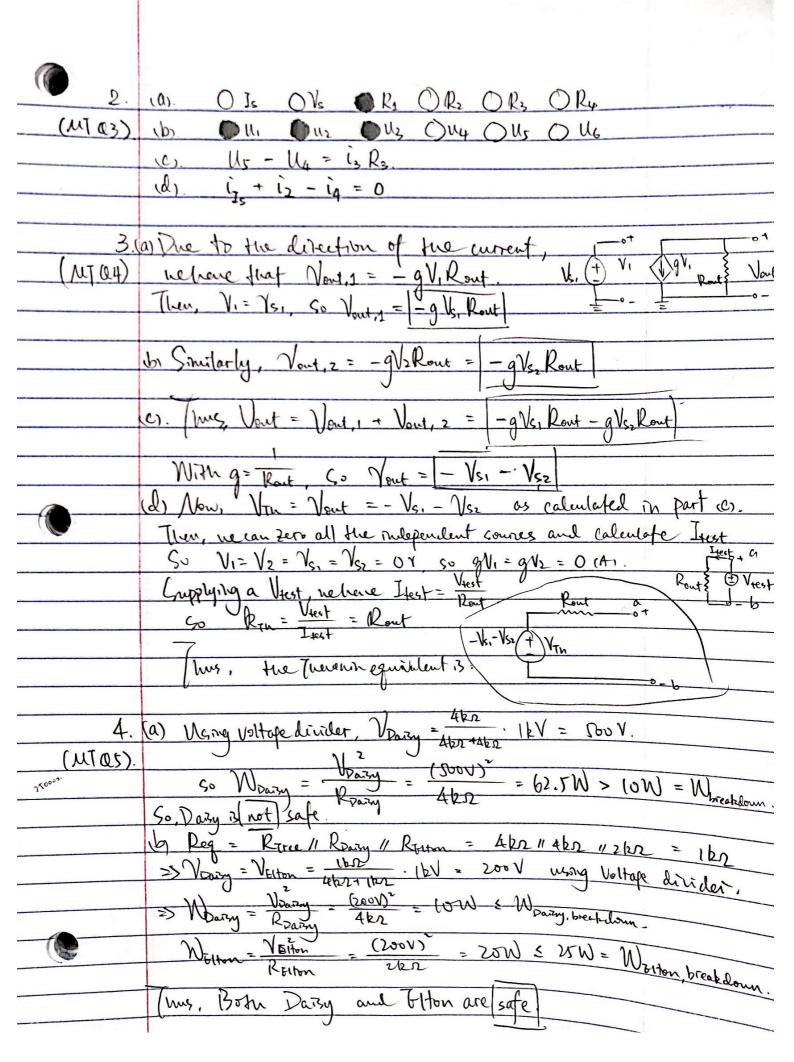
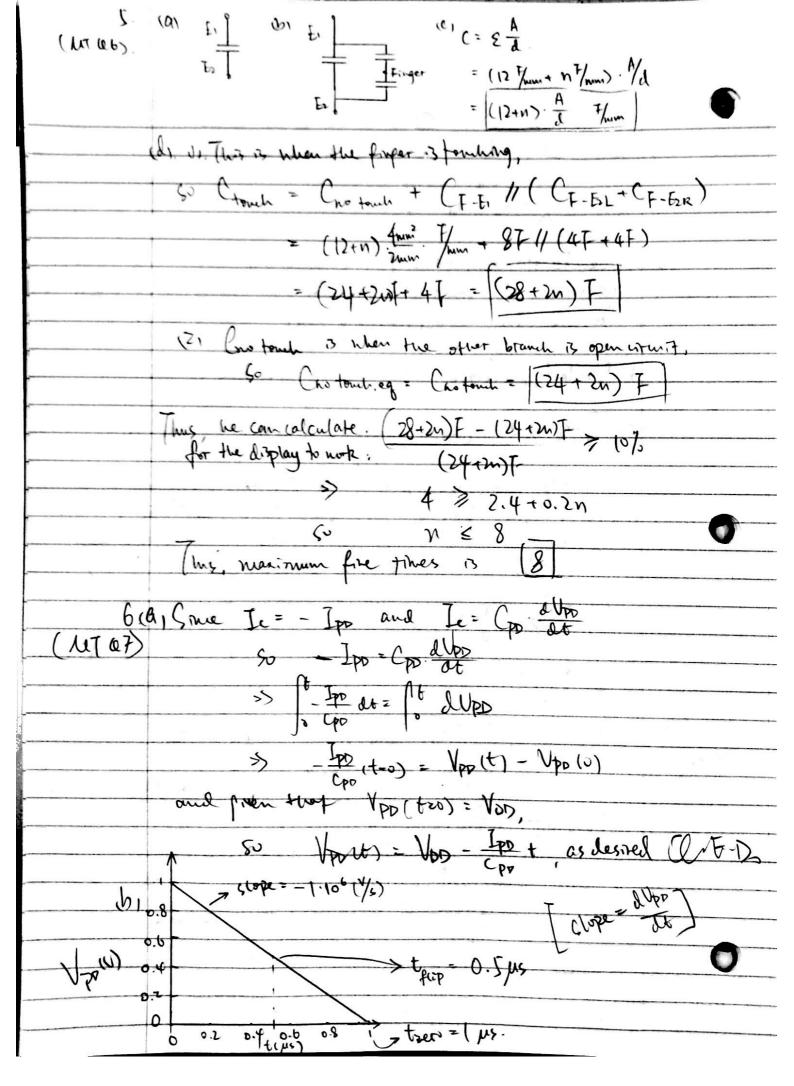
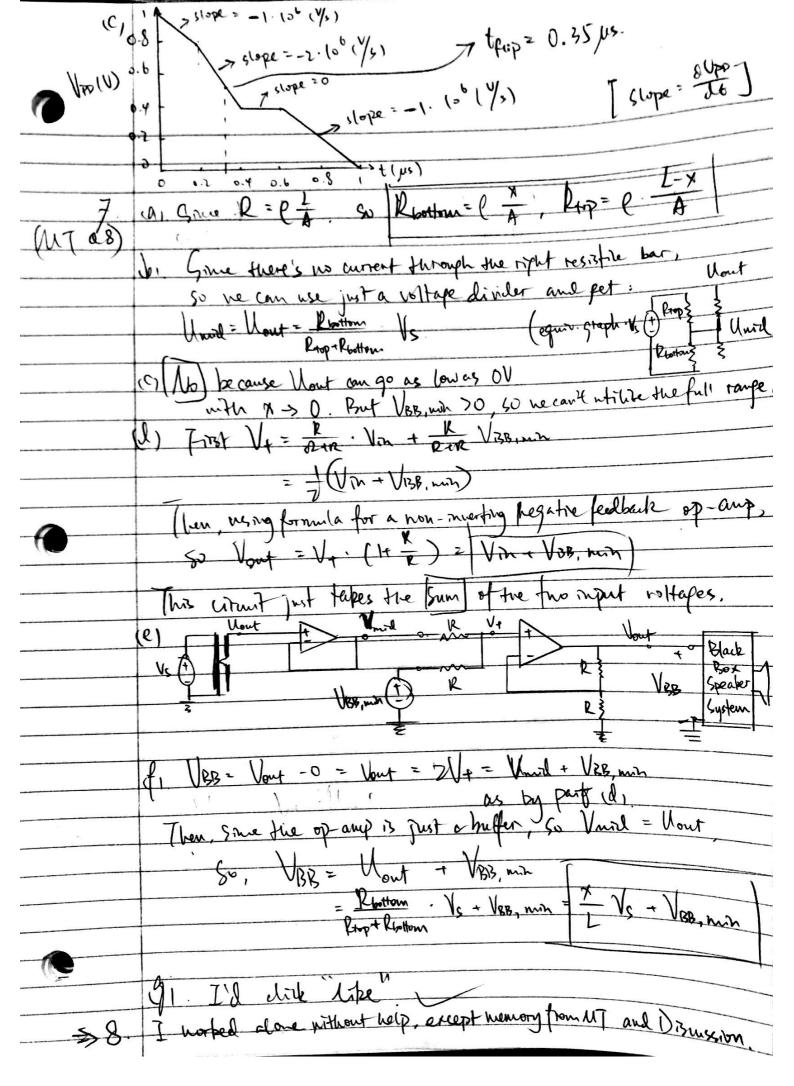


Scanned with CamScanner





Scanned with CamScanner



Scanned with CamScanner

1. (a) Write kcl at V- assuming all currents are leaving,

So
$$i_{R_1} = -i_{C_1} \frac{l(0-V_1(t_1))}{l(0-V_1(t_1))}$$

So $i_{C_1} = C_1 \frac{l(0-V_1(t_1))}{l(0-V_1(t_1))}$

Thus, $V_1(t) = \int \frac{l(0-V_1(t_1))}{l(0-V_1(t_1))} \frac{l(0-V_1(t_1))}{l(0-V_1(t_1))}$

(e) . $V_{TH} = \frac{l(0-V_1(t_1))}{l(0-V_1(t_1))} \frac{l(0-V_1(t_1))}{l(0-V_1(t_1))} \frac{l(0-V_1(t_1))}{l(0-V_1(t_1))} \frac{l(0-V_1(t_1))}{l(0-V_1(t_1))}$

Now, $V_{SM_1} = V_{SM_1} \frac{l(0-V_1(t_1))}{l(0-V_1(t_1))} \frac{l(0-V_1(t_1))}{l(0-$