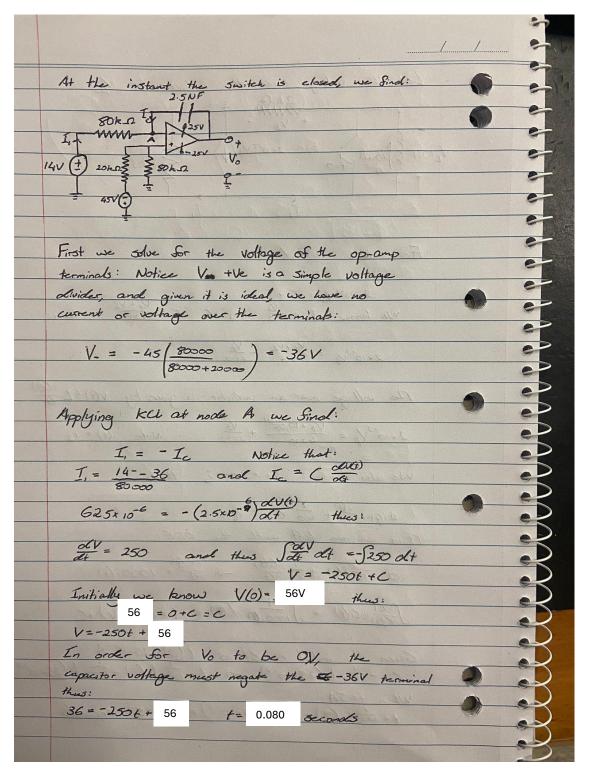
## ELEC2004 Homework 2

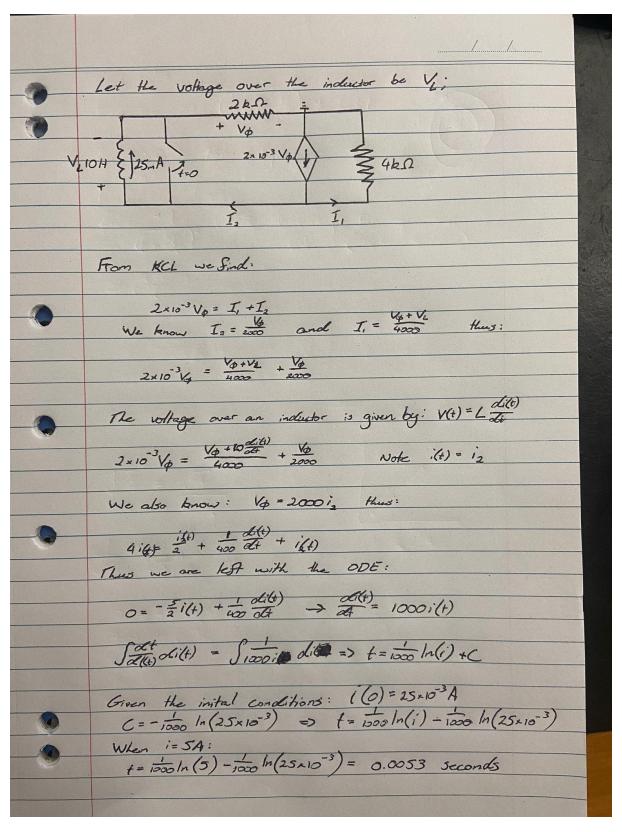
By Samuel Allpass

Question 1)



Thus, it took 80 milliseconds for the output voltage to equal 0.

## Question 2)



Thus, it took 0.0053 seconds (53 milliseconds) after the switch was opened for the inductor to malfunction at the 5A limit.