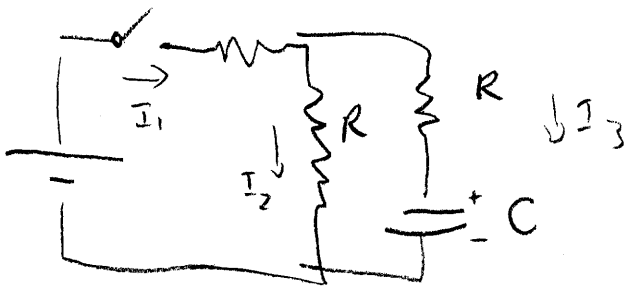
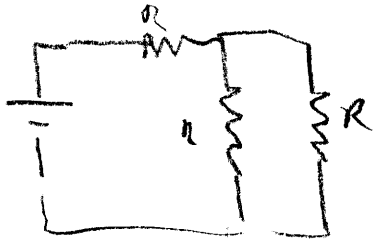
HW 8

26-31 use Kirchoffs rules, + follow strategy. see solutions manual

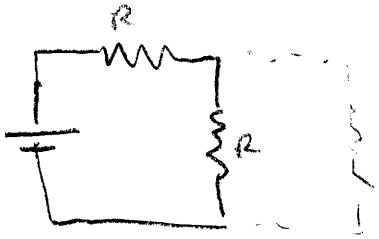
26-49



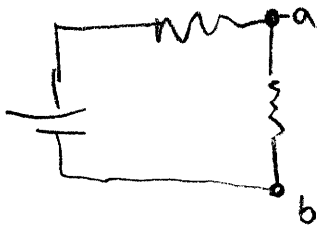
a) simpler circuit: at $t=0$, the capacitor is uncharged and is just like a wire:



b) at $t=\infty$ the capacitor is charged and no current flows through it



c) at $t=\infty$, the potential difference is the same as that between points a and b shown below:



potential (no drop from resistor when $I=0$)

22-8 The flux is equal to $\frac{Q_{enc}}{\epsilon_0}$

Q_{enc} is the same for both closed surfaces

ϵ_0 is a constant

$\Rightarrow$ the ratio is 1:1