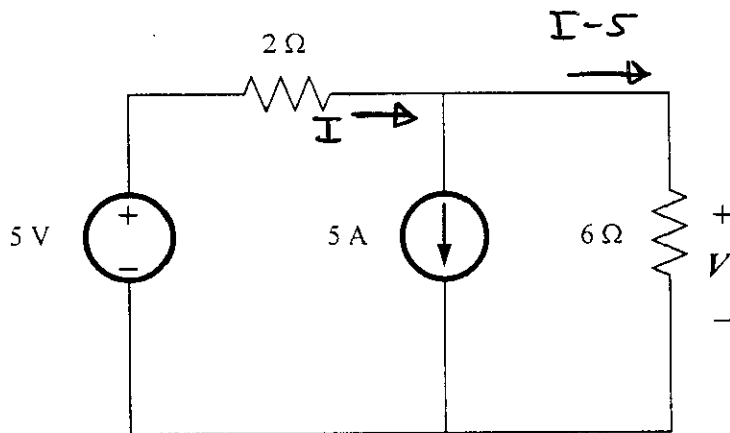


EE 204 -02- Fall 2009  
Quiz 2

SEC	SER	ID	NAME	KEY
-----	-----	----	------	-----



For the Circuit shown above Find  $V$  using **Direct method only**  
(KCL, KVL, OHM law)? NO Voltage or Current division and no Source Transformation

$$\underline{\text{KVL}} \quad -5 + 2I + 6(I-5) = 0$$

$$\Rightarrow I = \frac{35}{8} \text{ A}$$

$$\begin{aligned} V &= 6(I-5) \\ &= 6 \left[ \frac{35}{8} - 5 \right] = -\frac{30}{8} \text{ V} \end{aligned}$$

$$= -\frac{15}{4} \text{ V}$$