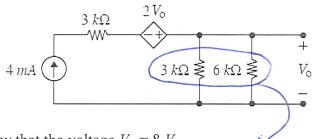
SA1 [5 Marks]. Consider the following circuit:



(a) [2Marks] Show that the voltage $V_0 = 8 V$.

$$(3k2)11(6k2) = (3k2)(6k2) = 2k2$$

 $(3k2) + (6k2)$
 $V_0 = (4m4)(2k2) = 8V.$

(b) [3 Marks] Determine the amount of power absorbed or supplied by the dependent voltage source. Recall that a positive value indicates power absorbed.