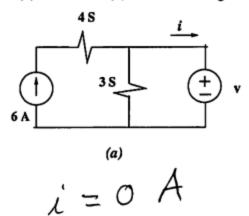
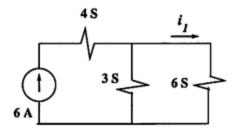
ES 332: Spring 2020, Practice Exam

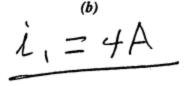
Name: ANSWRYS

Closed book. Show all work. Partial credit will be given. No credit will be given if an answer appears with no supporting work.

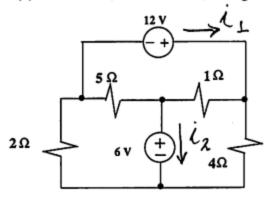
- 1. (a) For circuit (a) shown in the figure below, find i when the voltage source v = 2V
 - (b) For circuit (b) shown in the figure below, find i_1

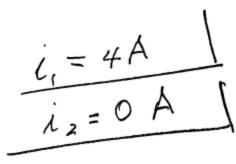




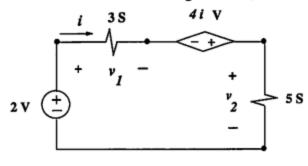


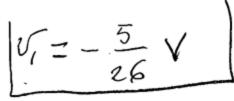
- 2. For the circuit shown in the figure below, use mesh analysis to find
 - (a) The current directed to the right, through the 12-V source
 - (b) The current, directed down, through the 6-V source





3. For the circuit shown in the figure below, determine the values of v_1 and v_2





$$\left| \sqrt{2} \right| = -\frac{3}{26} \sqrt{\frac{3}{26}}$$

- 4. For the circuit shown in the figure below,
 - (a) Find i_s ,
 - (b) Find the resistance R_{eq} seen by the current source.

