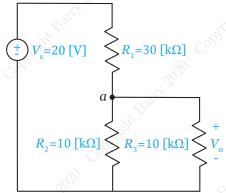
## Series and Parallel Resistors and Sources

MEMS 0031 - Electrical Circuits
June 4, 2020

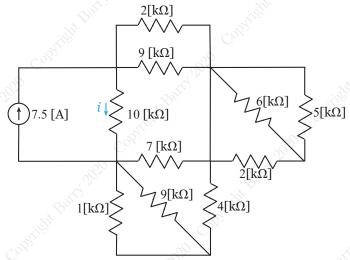
## Problem #1 - Lectures 6 & 7

Given the potentiometer shown below, determine the output voltage  $V_o$ .



## Problem #2 - Lectures 6 & 7

Find the voltage drop across the 10  $[k\Omega]$  resistor.



## Problem #3 - Lectures 6 & 7

Determine the values of  $v_1$ ,  $v_2$ ,  $i_3$ ,  $v_4$ ,  $v_5$ , and  $i_6$  in the circuit shown below.

