

Resistance Network Lab – Score

	Area	Expectation	2 pts/ expectation
Equivalent Resistance	a) Hand Calculations	Formula: Clearly shown formula for proposed network. Formula is correct.	
		Calculation: Clear presentation of hand calculations including listing of starting values, calculation, and correct answer	
	b) Series-Parallel Diagram	A computer drawn network schematic showing this network is included and properly format as a figure with caption.	
	c) Series-Parallel Script	Includes a script and its execution to calculate the equivalent resistance of the network.	
Provided script template is completely filled out (i.e., information added after all :). Calculations are correct			
Area & Parameter	a) Equations	Clear and Correct presentation of the two equations and their basis	
	b) Hand Calculations	Clear presentation of hand calculations including listing of starting values, formula, calculation and correct answer	
	c) Script & Execution	Script is presented with comments that include: Header (with program name, purpose, author and date), Complete variable definition with particular attention to the inputs and outputs, Comments showing the logic of the code	
		Program logic and syntax are essentially correct	
		Execution on the sample case included. Resulting outputs are correct results for area and parameter.	