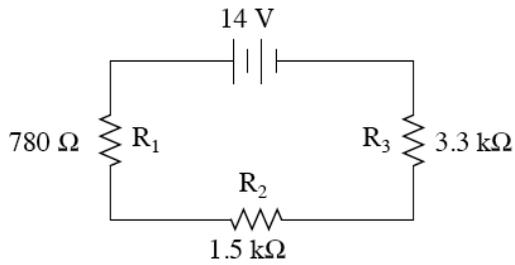


Circuit Challenge: Use PhET Circuit Construction Kit- Virtual Lab version

- Fill in the table for this circuit. Show your work and then check your answer with PhET

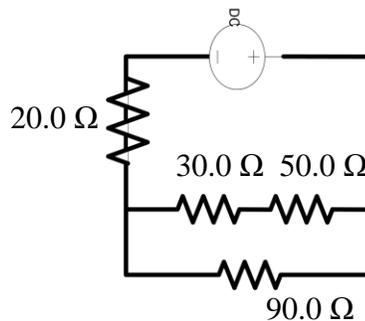
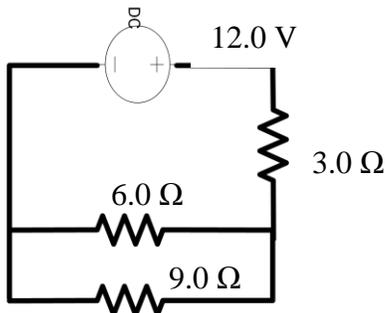


	R_1	R_2	R_3	Total
V				
I				
R	780 Ω	1.5 k Ω	3.3 k Ω	
P				

- A parallel circuit has 3 resistors each on different paths connected to a 120 V potential difference. The resistors have resistances of 5.0 Ω , 7.5 Ω , and 9.8 Ω ?
Draw a picture of the circuit. Fill in the table for this circuit. Show your work and then check your answer with PhET.

Add units to measurements	5.0 Ω	7.5 Ω	9.8 Ω	total
V ()				
I ()				
R ()				
P ()				

- For both circuits: Determine the potential difference on and the current through each resistor. Show your work and then check your answer with PhET



- Construct a complex circuit that will produce *_Get value from instructor_* total resistance using PhET. Draw your diagram.

Use: 9 V battery , resistors: 220 K Ω , 100 K Ω , 50 K Ω , 40 K Ω , wire