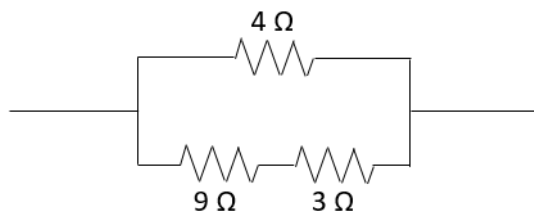


Work each of the following problems. SHOW ALL WORK.

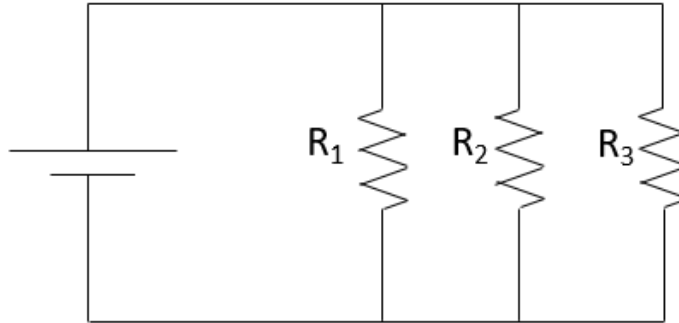
1. Three  $6\ \Omega$  resistors are wired in parallel. What is the equivalent resistance of these three resistors?

2. What is the equivalent resistance between the two terminals in the diagram below?



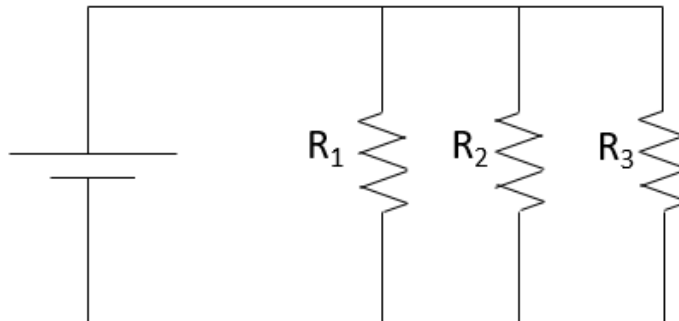
**Work each of the following problems. SHOW ALL WORK.**

3. Complete the VIR chart for the circuit below:



	V (V)	I (A)	R ( $\Omega$ )
Resistor 1			2
Resistor 2			3
Resistor 3			4
Total	9		

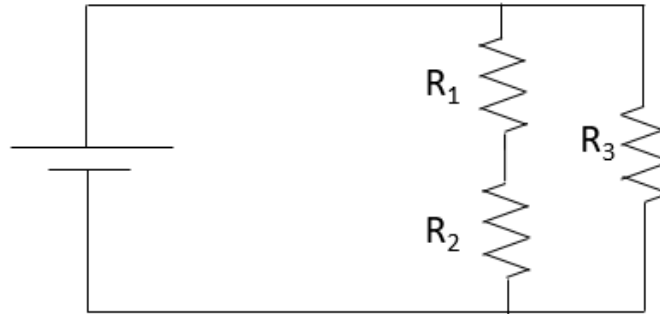
4. Complete the VIR chart for the circuit below:



	V (V)	I (A)	R ( $\Omega$ )
Resistor 1			2
Resistor 2	6		
Resistor 3			3
Total		6	

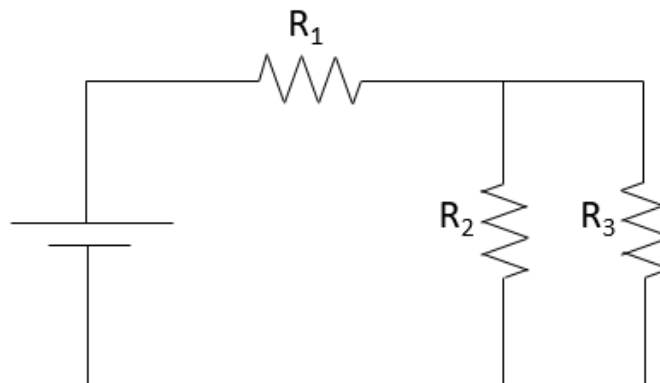
Work each of the following problems. SHOW ALL WORK.

5. Complete the VIR chart for the circuit below:



	V (V)	I (A)	R ( $\Omega$ )
Resistor 1			1
Resistor 2		3	2
Resistor 3			
Total		4	

6. Complete the VIR chart for the circuit below:



	V (V)	I (A)	R ( $\Omega$ )
Resistor 1			4
Resistor 2		0.5	
Resistor 3		1.5	
Total	12	2	