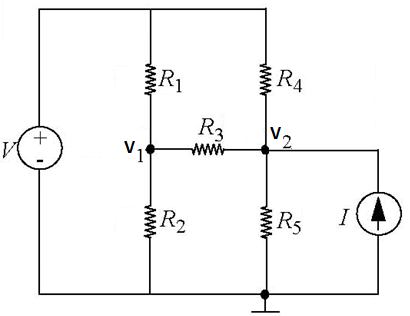
PHYS 315 Circuit Analysis Node Voltage Method Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  




3. Determine the current through each of the resistances below using the node voltage method.  
(V = 12 volt, R1= 5 ohm, R2= 8 ohm, R3= 15 ohm, R4= 9 ohm, R5= 10 ohm, and I = 3 A)  


|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | |  | | --- | | http://edugen.wiley.com/edugen/courses/crs4957/common/art/pixel.gif | | |  |  |  | | --- | --- | --- | | |  | | --- | | http://edugen.wiley.com/edugen/courses/crs4957/common/art/pixel.gif | |  | | | |

4. Determine the current through each of the resistances below using the node voltage method.  
(V = 6 volt, R1= 3 ohm, R2= 4 ohm, R3= 5 ohm, R4= 6 ohm, R5= 7 ohm, R6= 8 ohm, and I = 2 A)

