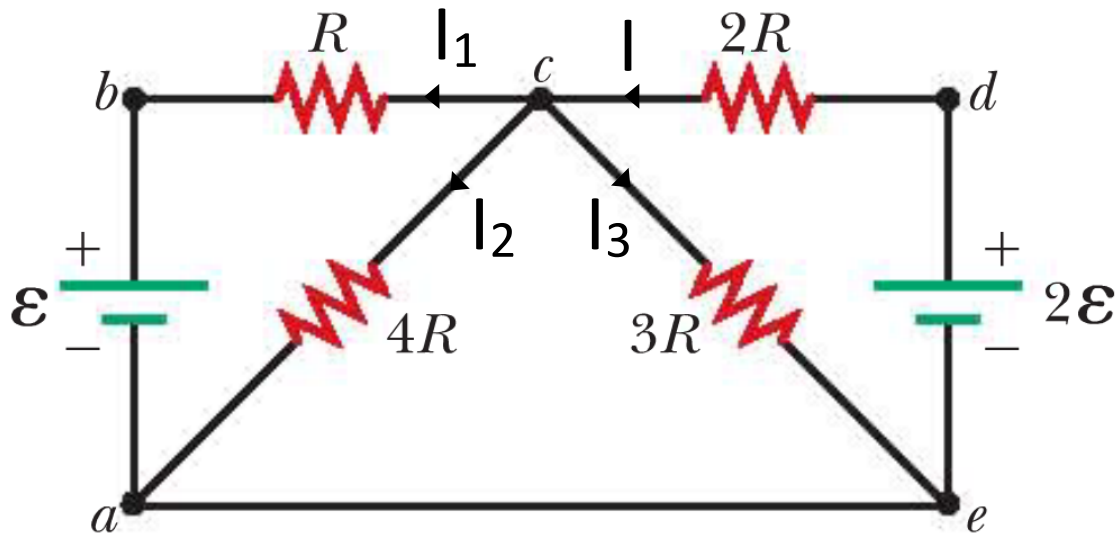


Name: _____

PHY 232 Summer 2016 Class Work
Class 20. Kirchhoff's Rules



- (a) Apply Kirchhoff's Current Rule, relationship between I , I_1 , I_2 , and I_3 :
- (b) Apply Kirchhoff's Voltage Rule to loop cba :
- (c) Apply Kirchhoff's Voltage Rule to loop cae :
- (d) Apply Kirchhoff's Voltage Rule to loop dce :
- (e) Apply Kirchhoff's Voltage Rule to loop $baed$:
- (f) Out of the five equations (a) to (e) above, how many of them are independent?