PHYS 212   Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Below the ideal batteries have emfs ε1 = 20 V, ε2 = 5 V, and ε3 = 10V, and the resistances are each 2 Ω.   
(a) What is the value and direction of *i1*?  
(a) What is the current through each of the batteries? (They are different)   
(c) Identify the batteries as supplying or absorbing energy?  
