Quiz #6 Ch27

Name: ID#: Sec#:

Q1 Each of the two real batteries in the figure has an *emf* of 20.0 V and an internal resistances r1 = 0.40Ω and r2 = 0.20Ω. What is the potential difference across each battery if the current in resistor R is 3.80 A?

i2

i1

r2

r1

ℰ1

ℰ2

a

b

R

i3