ENGR 12 TEST 1 Closed Book, double sided sheet of notes allowed

NAME:_SOLUTIONS

1 Find the power absorbed by each element



2 From the circuit below, find the current *I*



3) What is the resistance between terminals A and B?



Rab = 4 + 15 | | 10 = 10 Ohms



(7 Ohms is shorted out, remove) Rab = (3 | |6) + 9 = 11 Ohms 4) Find V2 and I2







Current Divider: I2 = 30*4/(10) = 12 A

5) IF the current *I* is 1A, what is Vs?

