# Chapter 1, Solution 19

I = 8 –2 = **6 A**

Calculating the power absorbed by each element means we need to find vi for each element.

p8 amp source = –8x9 = **–72 W**

pelement with 9 volts across it = 2x9 = **18 W**

pelement with 3 bolts across it = 3x6 = **18 W**

p6 volt source = 6x6 = **36 W**

One check we can use is that the sum of the power absorbed must equal zero which is what it does.