Name_____

Solar Contractor C46 Exam Preparation Course
Diablo Valley College
AET 150F-8561
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Use: V=IR & W=IV

1. A 3840 watt inverter will put out how many AC amps maximum when working on 240 volts AC?

   3840/240=16A

2. If an inverter is working on a 208 Volt AC system, and puts out a maximum of 32 amps of

   208*32=6656W

3. If you have a MPPT inverter that is working at 400 volts DC & the current is 30 amps, what is the resistance of the inverter on the IV curve?

   400/30=13.3 ohms

4. A 200 watt module is working perfectly at standard test conditions during flash testing. If it is working at 40 volts maximum power, what is the current measured at the factory?

   200/40=5A

5. If a linear current booster was perfectly efficient, and was taking in 400 volts and 5 amps, and was putting out 10 amps to get the pump going in the morning, how many volts would be getting to the pump?

   5*400=2000w   2000/10=200v