

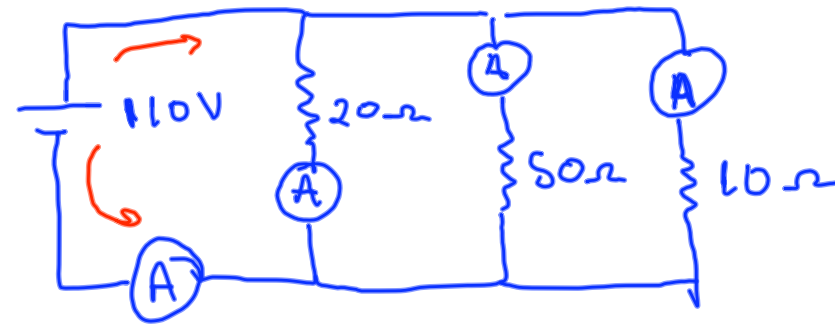
Reminders 08-12-09:

- **Last Exam Thursday**
- **Turn in Last Set of Problems Tomorrow**
- **Answers to Standardized Test p. 589 1A, 2D, 3D, Skip the rest**
Answers to Standardized Test p. 615 1A, 2D, 3C, 4D, 5C, 6B, 7C, 8D
- **Answers to conceptual questions: 1B,2D,3A, 4A,5ABC,6B,7TRUE,8(60W),9D,10C,11D,12D, 13B,14C,15E,16a it goes out,16b increase,16c increases,16d increase, 16e increase**

Objectives:

- **Go Over Last Assignment**
- **Demos**

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a) Greatest power consumption
all resistors are at 110V
$$P = \frac{V^2}{R}$$

hottest resistor is 10.0Ω

b) Lowest power consumption
50.0Ω

c) $I_1 = ?$

$$\begin{aligned}
 I_1 &= I_2 + I_3 + I_4 \\
 &= \frac{110}{20} + \frac{110}{50} + \frac{110}{10}
 \end{aligned}$$

↑
↑
↑
 d e f