# Physics Hwk
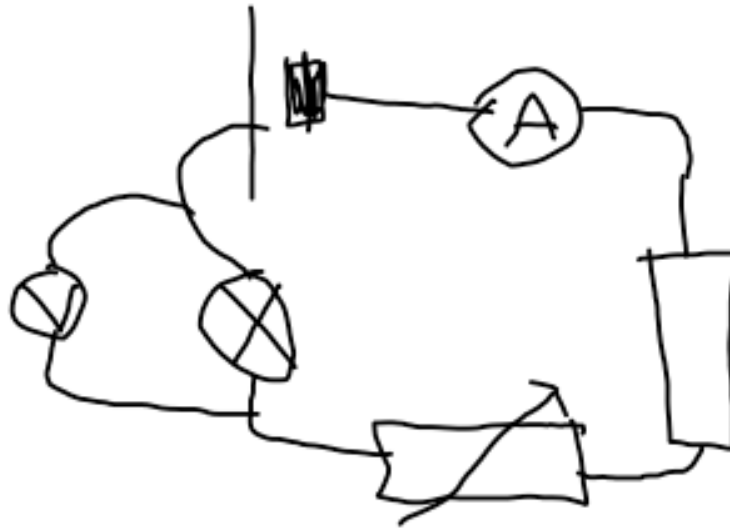
I couldn't see any numbering scheme, so here is a list of answers in order.

- $P = IV$
- $P = IV$, $I = P/V$, $= 110/230$, $= 11/23$A or 0.478A
- The cables in the clothes iron cable are thicker as they need to carry more current.
- E for Electricity.
- Normally, lamps are covered in a layer of plastic which cannot conduct electricity so even if it is touched and the live wire has disconnected, the person should be fine.
- $P = IVt$, $= 0.17$ x 230 x 55 x 60, $= 129{,}030$ J



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- $V = IR$
- 1.5A. $V = IR$, $R = V/I$, $= 6 / 1.5$, $= 4$

current in A

voltage in V

0

0

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