

PROBLEM SET #9
Physics 1BH
Winter 2016, Prof. Saltzberg

DUE: Finish by Friday March 11. Do not hand in. The “Problems” have solutions at the end of the book and we will post solutions to the “exercises” as soon as possible.

READING: Chapter 8 (we will skip the part about transients). I am primarily interested that you can analyze circuits using complex numbers.

You are encouraged to work with others, but try as much as you can on your own. At a minimum, check your answers with someone else.

1. PM 8.11 [light bulb]
2. PM 8.13 [low-pass filter]
3. PM 8.15 [two inductors and a resistor]
4. PM 8.17 [Q of resonant circuit]
4. PM 8.33 [black boxes]