Physics 222 answers to even problems Winter/2010

4th HW assignment;

Page 4B-- 1. 158 μC  3. 580 kV  4. 270 pF

#24-64  a. 7.2 mC  b. .65 mC

AP#4  a. { 54, 42 } V, ...  b. ..., { 3.0, 10.7 } μC  c. ..., 1.29 μF, ...

5th homework assignment;

Page 5B- 1. 9.0 V  2. 2.3. Ω  4. 260 kJ  5. 19.5 h

#25-66  a. [0.0, 15.0] Volts  b. (0.0, 3.75] Amps  c. ...

AP#5  a. { 6.7, 41. } V, ...  b. ..., { 290, 24. } mA  c. ..., 14.5 Ω, ...

6th homework assignment;

Page 6B--2a. 10.0 ms  2b. 130 mA (clockwise) 3. ..., 310 mW

AP#6  a. {.50, 1.50, 2.00, 1.00} Amps  b. 5.4 mJ

Second test {2/19/2010};

I.(14pts)-- problem packet 4B
II.(14pts)-- problem packet 5B
III.(14pts)--text problems #26-13 & 26-61
IV.(2pts)--something like a problem done on HW or in class.