

### HW.3

3-13:

3-17: (a) 3.12 [eV], (b) 399 [nm]

3.23:  $1.22 \times 10^6$  [m/s]

3.25: check if you get a correct h value,  $6.67 \times 10^{-34}$  [Js]

3.28: 0.0414 [nm]

3.31: (a)  $130.5^0$ , (b)  $23.9^0$

3.37: check if you get  $-3.8 \times 10^{-12}$  [J]

3.38: