**Home Work Assignment # 6**                                    11/1/2011

<u>Due:</u> Tue., Nov. 8, 2011.

**1.** *Periodic potentials in one dimension:*
Ashcroft and Mermin (A & M), Ch. 8, Problem 1.

**2.** *Effect of a weak periodic potential near* **k**-*points where Bragg planes meet:*
A & M, Ch. 9, Problem 3, part (a) only.