2.57 Problems 3.2, 3.3, 3.4, 3.5, 3.7, 3.8

Read and write a one page report on the paper:

L. Esaki and R. Tsu, “Superlattice and Negative Differential Conductivity,” IBM of Research and Development, January, 1970, pp. 61-65. You can find it on web. You may not understand the section in transport properties in this paper but you can see how they are using a Kronig-Penney type of model to start an important direction in research. I found the following talk by Esaki gives some interesting background. Please check it:


2.57 Problems 3.2, 3.3, 3.4, 3.5, 3.7