1. Consider the following production function $Q = 5KL^{0.5} - L$, and assume that capital is fixed at two units. At what point does $MP_L$ reach zero?

2. Suppose inputs are only substitutable at two units of labor for every one unit of capital. What would be the equation for the production function? What is the average and marginal product of labor in this case?
3. Perloff, fourth edition: question 5 page 260

4. Perloff, fourth edition: question 17 page 261

5. Perloff, fourth edition: question 26 page 262

7. Perloff, fourth edition: problem 33 page 263