1. Perloff, fourth edition: question 3 page 174

2. Perloff, fourth edition: question 5 page 174
3. Write the equation for the marginal product of capital for each of the following production functions:

a. \( Q = 3K + 2L \)

b. \( Q = 4K^{0.5}L \)

c. \( Q = 5K^{0.5}L - L \)

4. Draw a graph showing a set of isoquants that depict capital and labor to be perfect complements (not substitutable at all) in a production function that exhibits constant return to scale. Be sure to label the input and output levels on the isoquants.