**1)** In an economy with two goods and two consumers, the utility functions of the two consumers are known to be as follows:

, .

The endowments of and are as follows:

Consumer A: 9 and 6; Consumer B: 18 and 3.

1. Find the equilibrium price.
2. Show market equilibrium on a carefully drawn graph. (No partial credit will be given in this part of the question. Make sure that your graph is correct and complete.)

**2)** Derive the Pareto set (contract curve) in the economy described in Question (1).