INC 491 Mechanics and Control of Modern Robotics **Homework 1**
Assign: 30 Jan 2020 **Due Tue 4 Feb 2020**

Instruction: Hand in this homework via email only.
Member:

1. Name:_____Code:_____

Questions:

1. The schematic of an RR root is shown in Figure 1. Here we are interested in finding
   the equations required to determine the position of the point C. The distance from A
   to B is l_1, and the distance from B to C is l_2. The position of point A is $[^A x, ^A y]^T$.
   (Hint: the solution is in terms of l_1, l_2, θ_1, and θ_2.)
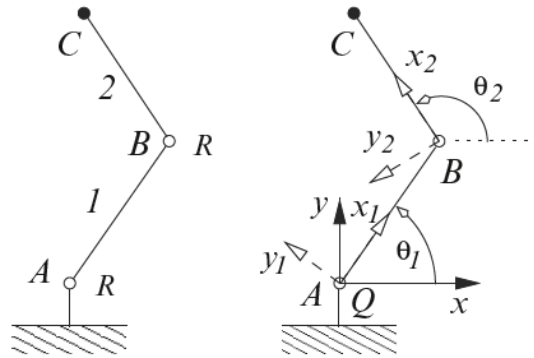

Figure 1: RR robot