

# ME:4140 Modern Robotics & Automation

## Homework #1

Due: see ICON

**Name:**

First

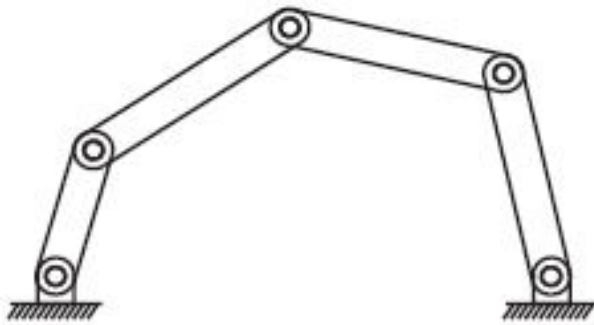
Last

Student ID

1. Determine the degrees of freedom (DOF) for the following planar linkage shown.

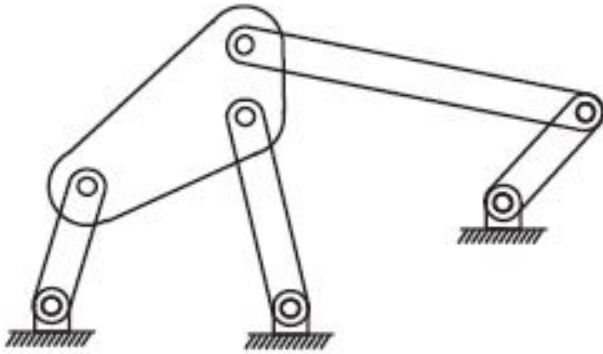
(5)

Answer



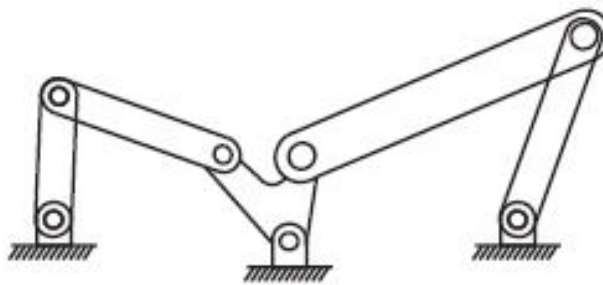
2. Determine the degrees of freedom (DOF) for the following planar linkage shown. (5)

Answer



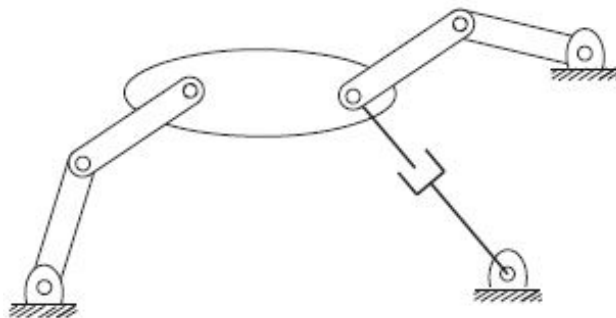
3. Determine the degrees of freedom (DOF) for the following planar linkage shown. (5)

Answer



4. Determine the degrees of freedom (DOF) for the following planar linkage shown. (5)

Answer



5. Determine the degrees of freedom (DOF) for the following planar linkage shown.

(5)

Answer

