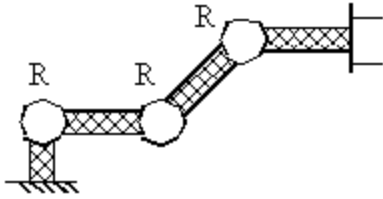
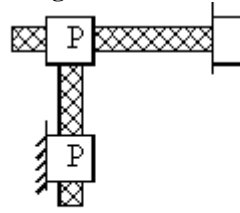


**Mechanical and Aerospace Engineering Department**  
**University of Texas at Arlington**  
**Introduction to Robotics – ME 5337**  
**Homework # 3**

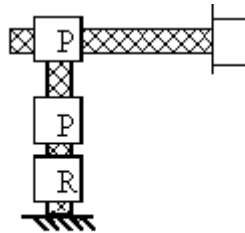
**Due Date: Third class meeting from assigned date**



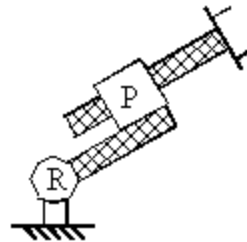
Problem 1: 3-Link Planar Manipulator



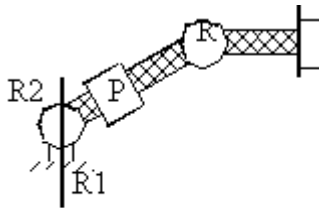
Problem 2: 2-Link Cartesian Manipulator



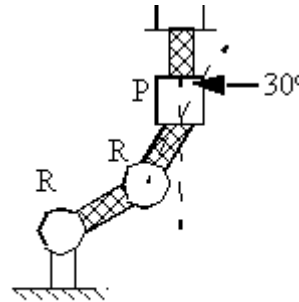
Problem 3: Cylindrical 3D Manipulator



Problem 4: 2-Link Planar Manipulator



Problem 5: 3-D Manipulator



Problem 6: Planar w/Bent Link

**For the above Mechanisms:**

- a) Assign Frames
- b) Set Up D-H table