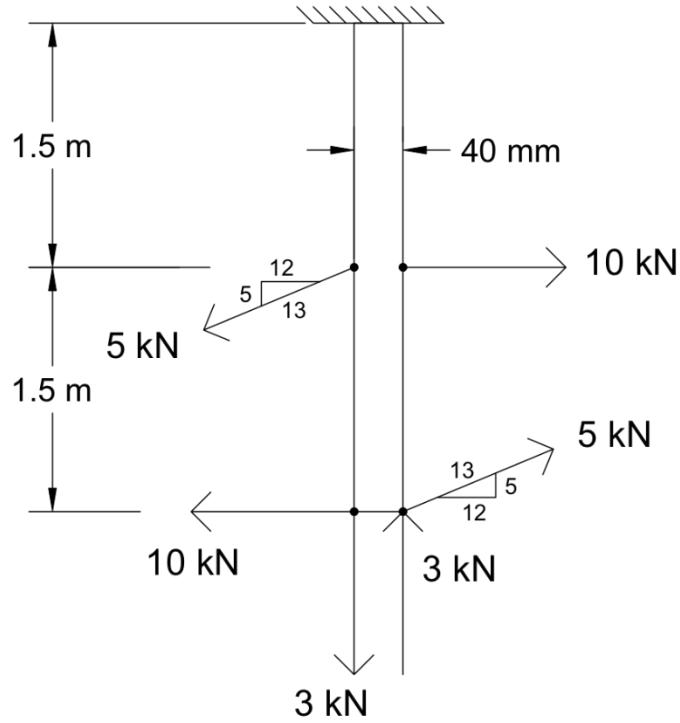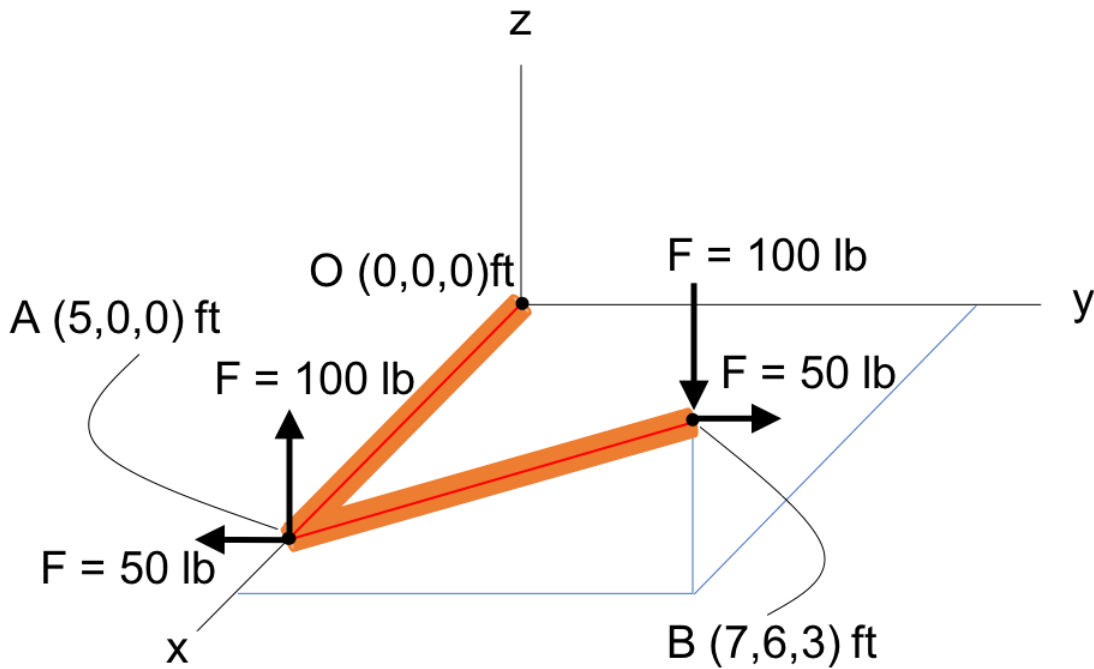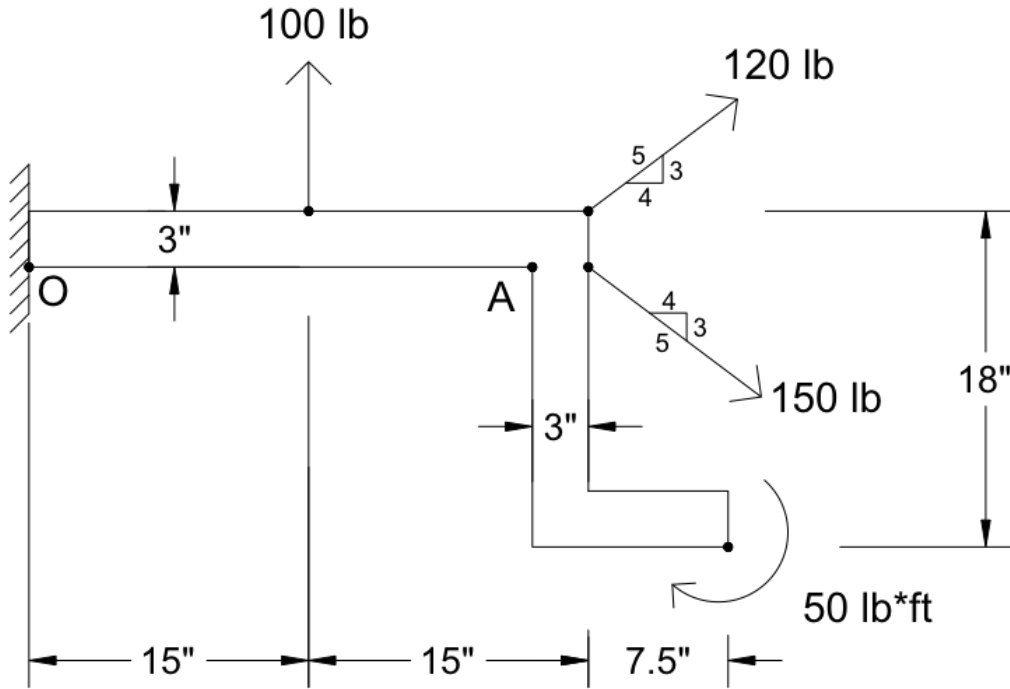1. Determine the resultant couple moment acting on the bar.co

2. Determine the couple moment acting on the pipe OAB and express it in Cartesian vector form.

3. Replace the loading system by an equivalent resultant force and couple moment acting at:
    a. Point O
    b. Point A

4. Replace the forces by an equivalent resultant force and couple moment acting at point O.