

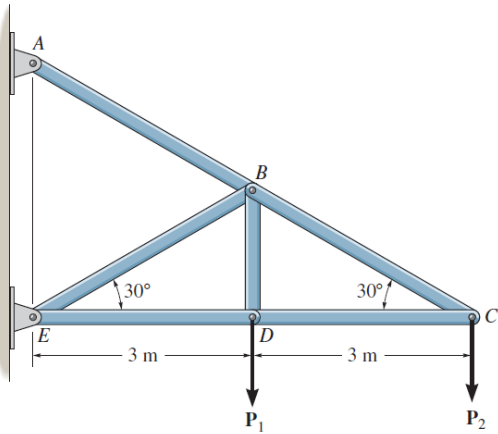
StarID or TechID (no names) _____

Show your work (you will not receive any credit if all you have is a final answer, right or wrong).

Do one of the two problems shown below (the second problem is on the back).

1. Determine the force in each member of the truss and state whether the member is in tension or compression.

$P_1 = P_2 = 4 \text{ kN}$.



2. The rod is supported by journal bearings at A, B, and C. The bearings are in proper alignment and exert only force reactions on the rod. Determine the reactions at the bearings when the rod is subjected to the 200 lb vertical force and the 30 lb-ft couple moment (which lies in the y-z plane) as shown.

