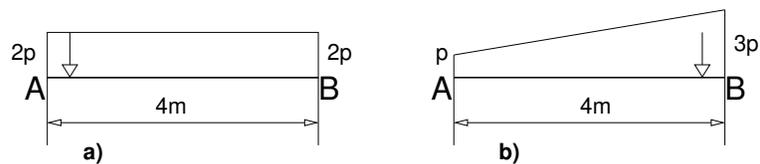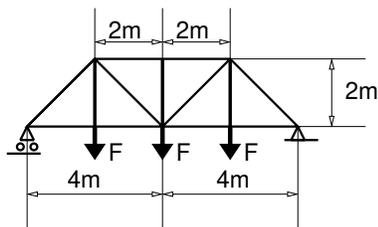# ENG35: Statics

HW # 2, Due: 05Nov2025, by midnight, on canvas.

Problem:

1. For given distributed loads, see figures below, determine resultant and moments around load ends (points A and B). Assume $p = 2kN/m$.

a)   b)

2. For truss given in a figure below, determine reactions, and forces in all truss members. Determine forces using two methods independently: (a) method of joints, and (b) method of sections. Compare your results and verify that your solutions are accurate. Assume $F = 10$kN.

3. For problems given below, determine all the reaction forces and plot force diagrams for normal force (N), shear force (T), and moments (M).