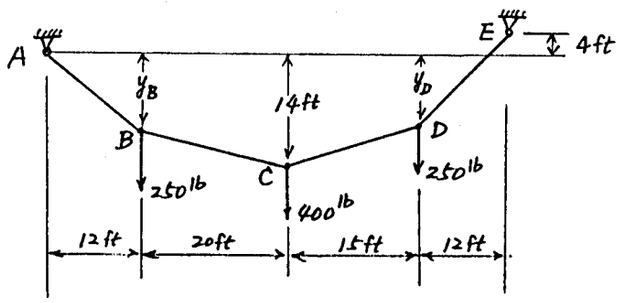
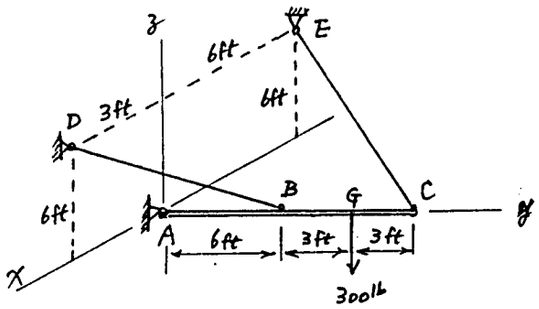
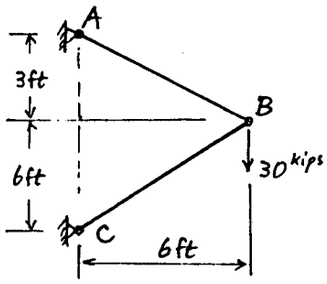
1. 試求四索之張力，及 y_B，y_D 之值。



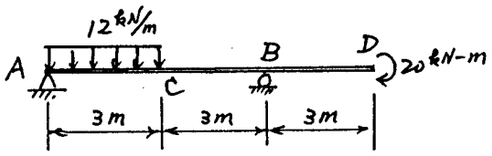
2. 試求二索張力及A点(ball-and-socket)之反力。



3. 試求 B 点垂直及水平位移。設二桿 $A_1 = 2\ in^2$，$A_2 = 3.5\ in^2$，$E = 10.6 \times 10^{-3}$ ksi。



4. 試用力矩面積法求 D 点撓度。$E = 100GPa$，$I = 30 \times 10^6\ mm^4$



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5. 一鋼管外径 400mm，厚度 15mm，$E_s = 200GPa$，內部填充混凝土，$E_c = 20GPa$，試求二者所受應力，及管縮短量。