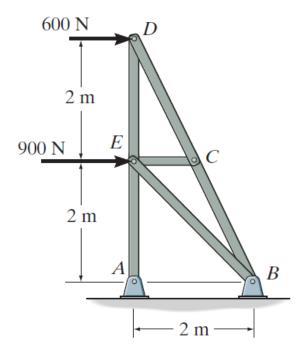
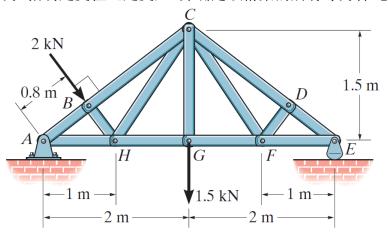
Name: Student ID:

S06: Analysis of Structures

1. Determine the force in each member of the truss, and state if the members are in tension or compression. 【试求图示桁架内各杆内力,并说明是受拉还是受压。】



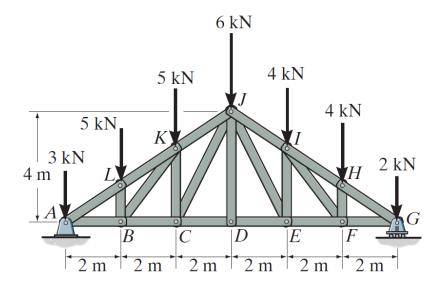
2. Determine the force in members CD and GF of the truss and state if the members are in tension or compression. Also, indicate all zero-force members. 【试求图示析架杆 CD 和 GF 的内力,指明是受拉还是受压。并确定该桁架的所有零力杆。】



Student ID:

Name:

3. Determine the force in members KJ, KC and BC of the Howe truss, and state if the members are in tension or compression. 【试求图示 Howe 屋顶桁架中杆 KJ, KC, 和 BC 中的内力,并指明是受拉还是受压。】



4. Determine the horizontal and vertical components of reaction that the pins A and B exert on the two-member frame. Set F = 0. 【试求图示两杆刚架在铰接点 A 和 B 处所受的水平和竖直反作用力。设 F = 0。】

