Determine the forces in members *DE, EH,* and *GH*.
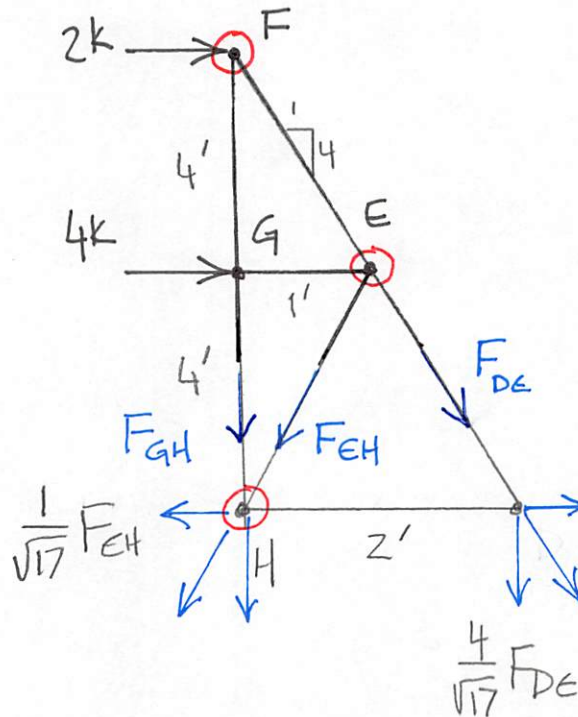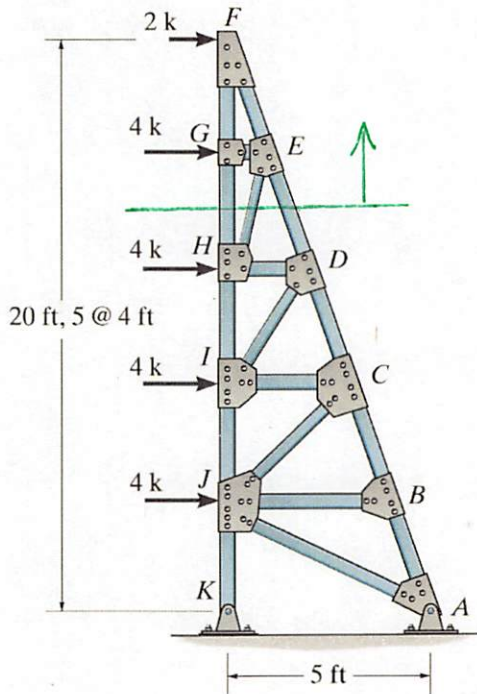
$$\overset{+}{\curvearrowleft}\Sigma M_E = 0 = F_{GH}(1') - 2^k(4') \qquad \underline{\underline{F_{GH} = 8^k}}$$

$$\overset{+}{\curvearrowleft}\Sigma M_H = 0 = -\frac{4}{\sqrt{17}} F_{DE}(2') - 4k(4') - 2^k(8')$$

$$\underline{\underline{F_{DE} = -16.49\,k}}$$

$$\overset{+}{\curvearrowleft}\Sigma M_F = 0 = -\frac{1}{\sqrt{17}} F_{EH}(8') + 4k(4') \qquad \underline{\underline{F_{EH} = 8.25^k}}$$