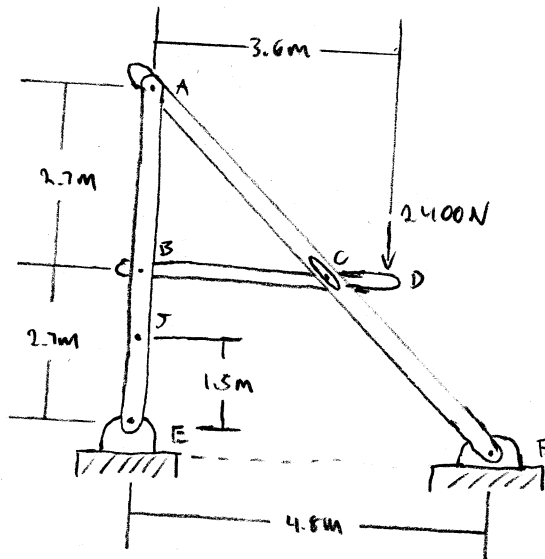


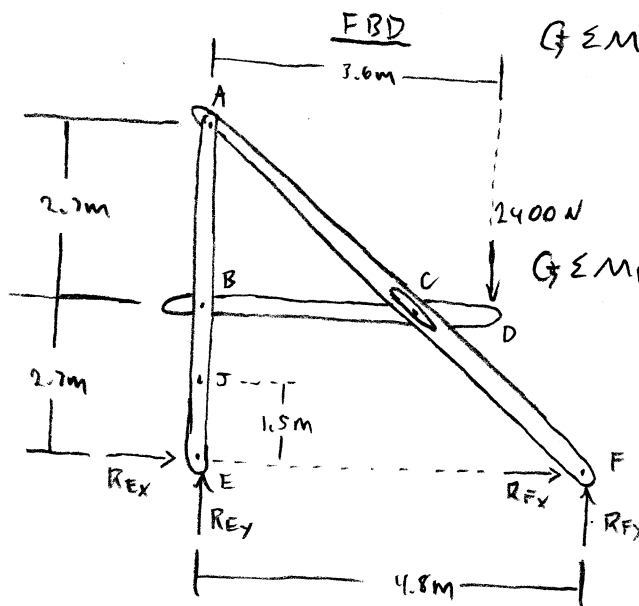
G.100

Given:



Find: the components of all forces acting on member ABE.

Solution:



$$\sum M_E = 0, -(3.6\text{m})(2400\text{N}) + (4.8\text{m})(R_{FY}) = 0$$

$$R_{FY} = 1800\text{N} \uparrow$$

$$\sum M_F = 0, (1.2\text{m})(2400\text{N}) - (4.8\text{m})(R_{EY}) = 0$$

$$R_{EY} = 600\text{N} \uparrow$$

