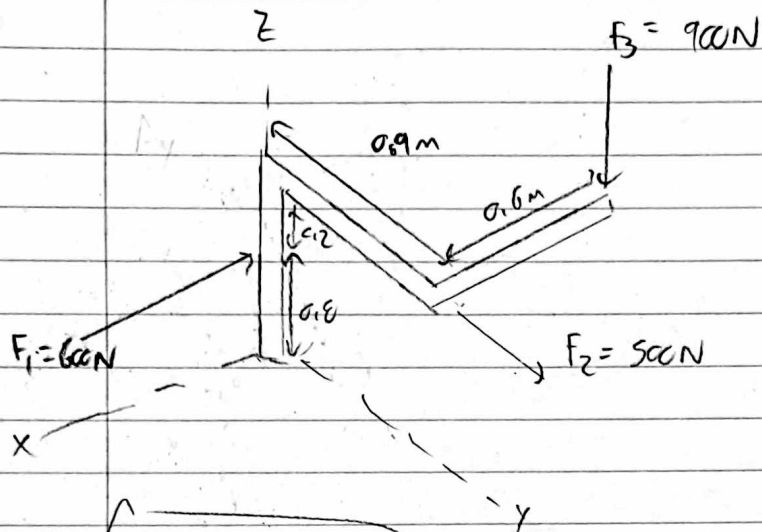


Solutions: 21-5-5.7-Mk-07



$$\begin{aligned} A_x &= -600\text{N} \\ A_y &= -500\text{N} \\ A_z &= 900\text{N} \end{aligned}$$

$$\sum M_x = 0 = (M_{Ax}) - (900\text{N})(0.9\text{m}) - (1\text{m})(500\text{N})$$

$$M_{Ax} = (900)(0.9) + (1\text{m})(500\text{N}) = 1310\text{Nm}$$

$$\sum M_y = 0 = M_{Ay} - (600\text{N})(0.6\text{m}) + (900)(0.6\text{m})$$

$$M_{Ay} = (600\text{N})(0.6\text{m}) + (900\text{N})(0.6\text{m}) = 1020\text{Nm}$$

$$\sum M_z = 0 = M_{Az}$$