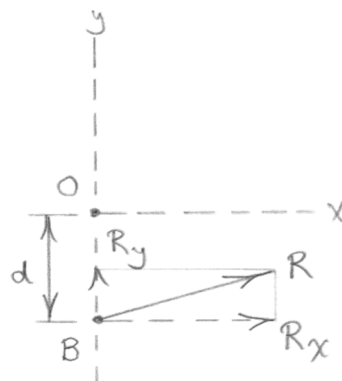
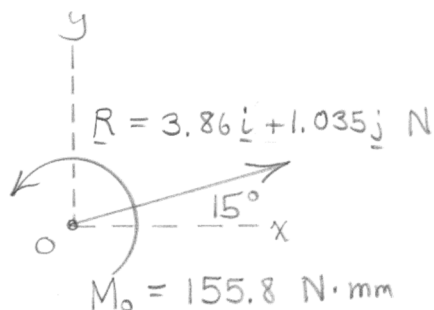


2/76 At O:

$$\underline{R} = 4 (\cos 15^\circ \underline{i} + \sin 15^\circ \underline{j}) = 3.86 \underline{i} + 1.035 \underline{j} \text{ N}$$

$$\curvearrowright M_o = 300 - 4 \cos 15^\circ (40) + 4 \sin 15^\circ (10)$$

$$= 155.8 \text{ N}\cdot\text{mm} \text{ CCW}$$



$$\text{Condition: } R_x d = M_o$$

$$3.86 d = 155.8, \quad d = 40.3 \text{ mm}$$

$$\text{So } \underline{y = -40.3 \text{ mm}}$$