

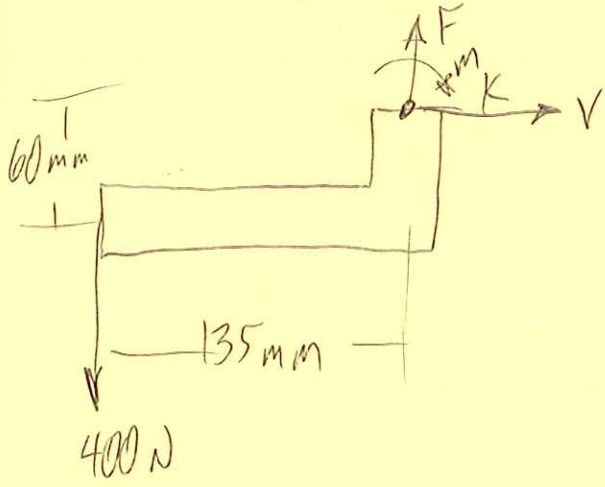
HOMEWORK #7

7.7, 7.16, 7.40, 7.52, 7.80

EXAMPLE PROB. 7.53

IN-CLASS #7 PROB. 7.6

FBD OF AK:



$$\sum F_x = 0 : V = 0$$

$$\sum F_y = 0 : F = 400 \text{ N}$$

$$\sum M_K = 0 \quad (+)$$

$$(400 \text{ N})(135 \text{ mm}) - M = 0$$

$$M = 5.4 \times 10^4 \text{ N-mm} = 54 \text{ N-m}$$