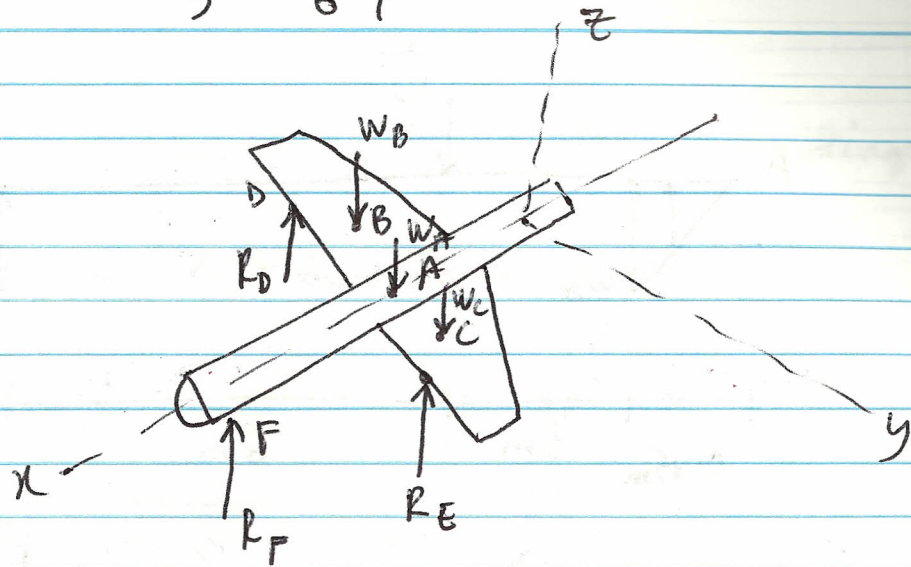


5-67



$$\sum M_{x\text{-axis}} = 0$$

$$8000(8) - 6000(8) - R_D(14) + R_E(14) = 0$$

$$R_D = R_E \quad \text{--- (1)}$$

$$\sum M_{y\text{-axis}} = 0$$

$$6000(4) + 45000(7) + 8000(4) - R_F(27) = 0$$

$$R_F = 13,740.74 \text{ lb}$$

$$\sum F_y = 0$$

$$R_F + R_D + R_E = W_B + W_A + W_C$$