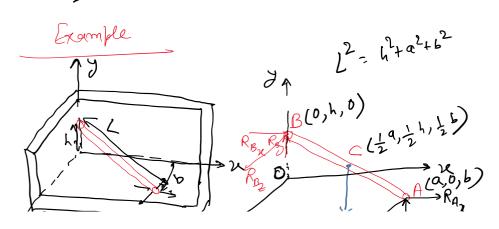
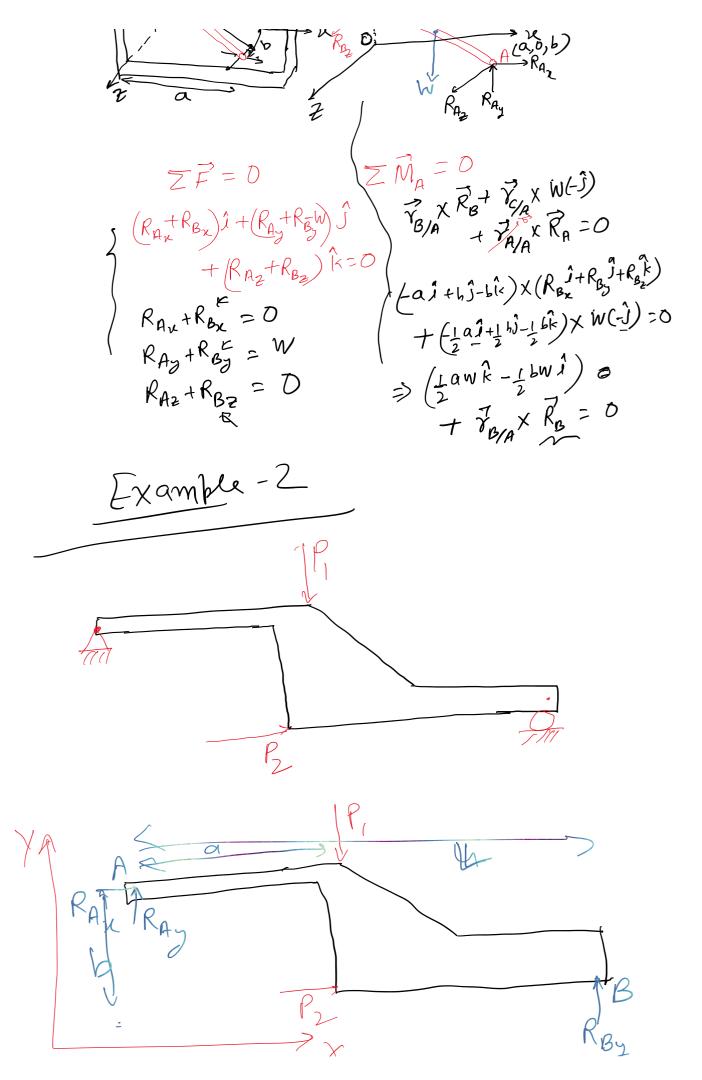


F = Ryî = - SÎN = 5N(Î)

Steps for Drawing FBD

- 1. Decide your system (sub-system) Whose equilibrium is to be studied.
- 2. Isolate the sestem from it's surrounding viting a bounding curve (sufface).
 3. Sketch the system.
- In Apply Externally applied forces of Moments
- 5. Apply Reaction forces & Moments because of the sypports
- 6- Write equations of static equilibrium.
- 7: Evaluate the unknown reactions





 $\begin{array}{ll}
\overline{Z}\vec{F} = D & \overline{Z}M_{A} = 0 \\
\overline{Z}M_{A} = 0 \\
R_{By} \times 2 - P_{1} + OHP_{2}b = 0 \\
R_{By} \times 2
\end{array}$