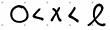
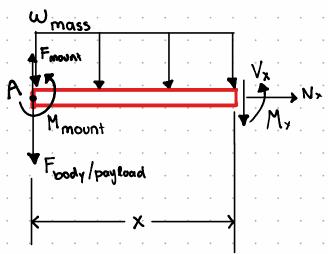
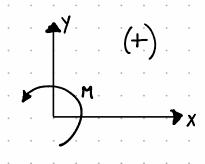
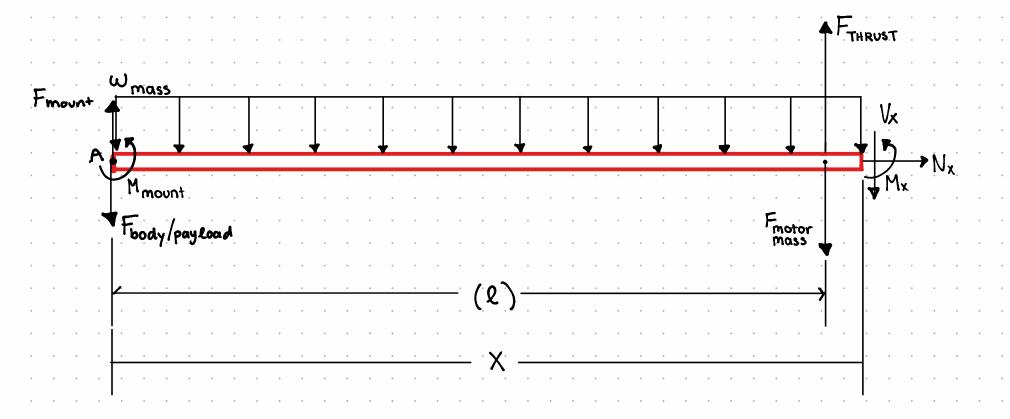


## Shear and moment equations









EFy=0

Fmount-Fbody/payload - WX - Fmotor + Fmrust - Vx
mass

Vx = Fmount - Foody/payload - wx - Fmotor + FTnrust

ZMcut = 0

Mx + Mmount - Fmount X + Fmotor (X-e) - Fmount (x-e) + WX(\frac{1}{2}x) + Fwody/payeoad X=0

Mx = (X-e)(Fmount - Fmotor) - Mmount + Fmount X - \frac{1}{2}wx^2 - Fbody/payeoadX=0

R<x<L