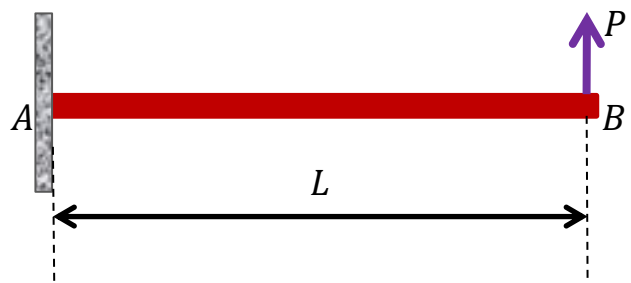


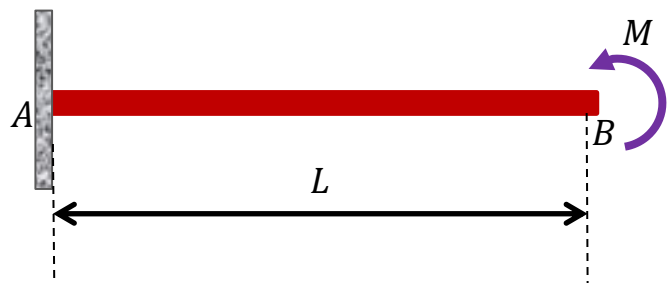
$$y_B = \frac{wL^4}{8EI}$$

$$\theta_B = \frac{wL^3}{6EI}$$



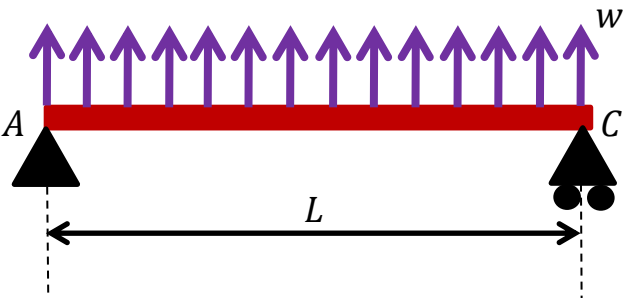
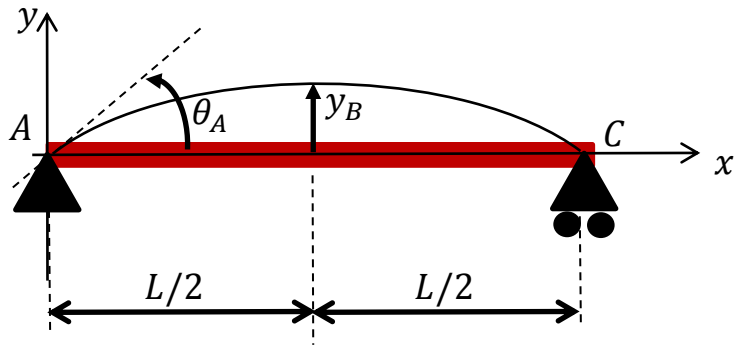
$$y_B = \frac{PL^3}{3EI}$$

$$\theta_B = \frac{PL^2}{2EI}$$



$$y_B = \frac{ML^2}{2EI}$$

$$\theta_B = \frac{ML}{EI}$$

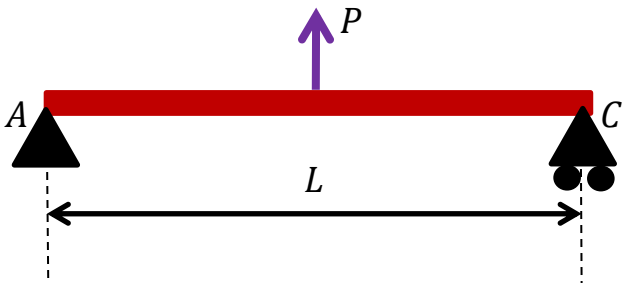


$$y_B = \frac{5wL^4}{384EI}$$

$$\theta_A = \frac{wL^3}{24EI}$$

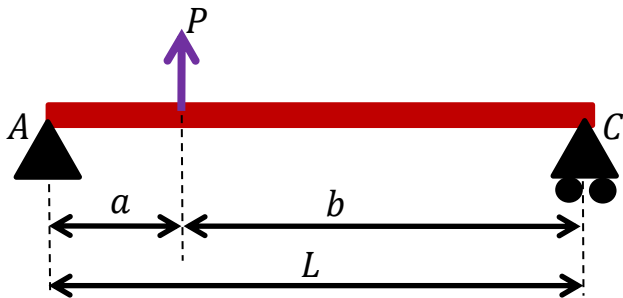
The elastic (deflection) curve is given by:

$$y(x) = \frac{w}{24EI} (x^4 - 2Lx^3 + L^3x)$$



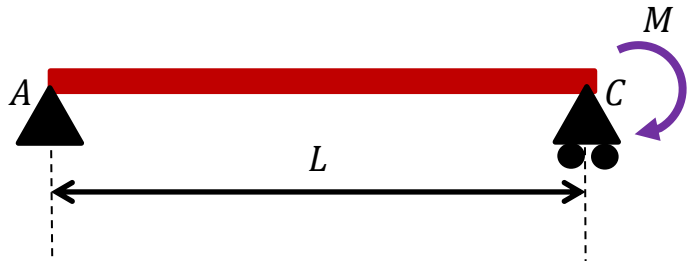
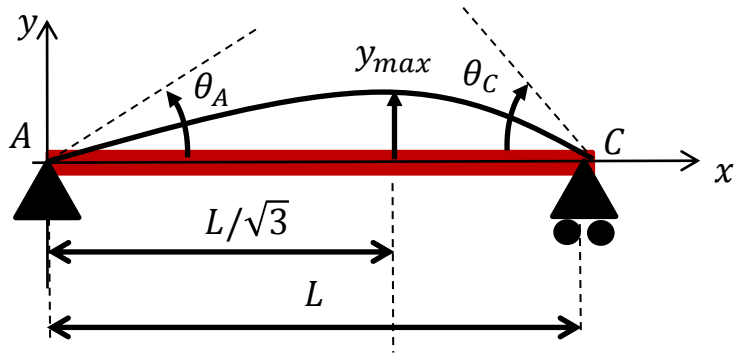
$$y_B = \frac{PL^3}{48EI}$$

$$\theta_A = \frac{PL^2}{16EI}$$



The deflection at  $x = a$  is given by:

$$y(a) = \frac{Pa^2b^2}{3EIL}$$



$$\theta_A = \frac{ML}{6EI}$$

$$\theta_C = \frac{ML}{3EI}$$

$$y_{max} = \frac{ML^2}{9\sqrt{3}EI}$$