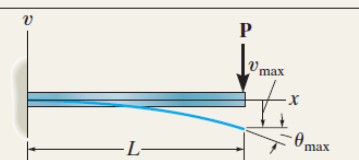
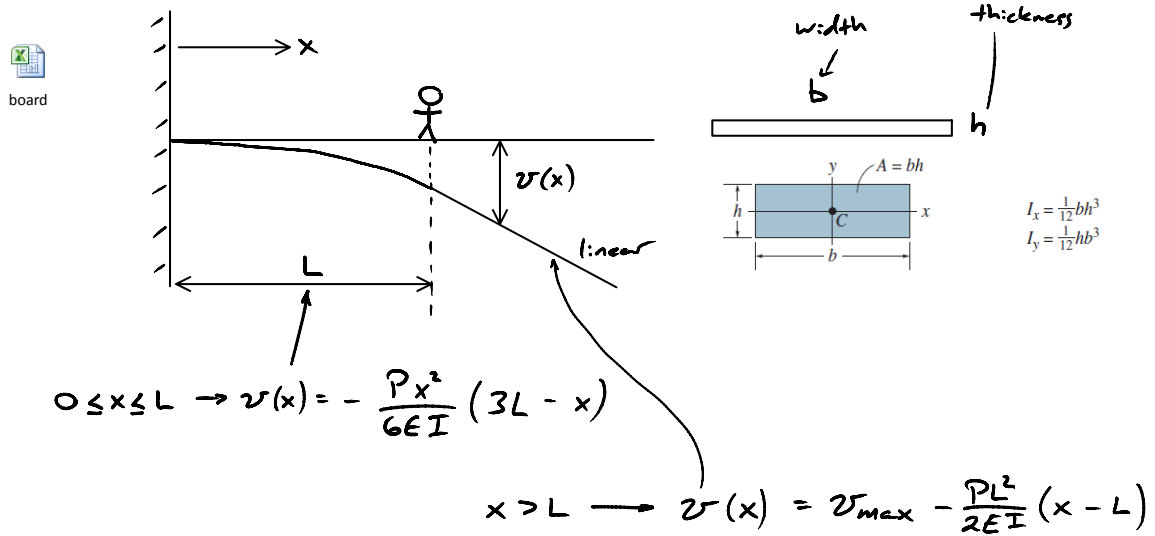


Beam	Slope	Deflection	Elastic Curve
	$\theta_{\max} = \frac{-PL^2}{2EI}$	$v_{\max} = \frac{-PL^3}{3EI}$	$v = \frac{-Px^2}{6EI}(3L - x)$



$$h = 0.05 \text{ m}$$

$$b = 0.5 \text{ m}$$

$$I = \frac{1}{12}bh^3$$

$$E = 3 \text{ GPa} = 3 \times 10^9 \text{ Pa (plastic)}$$

$$P = mg = 70 \text{ kg} \cdot 9.81 \text{ m/s}^2 = 687 \text{ N}$$

$$L = 3 \text{ m}$$

