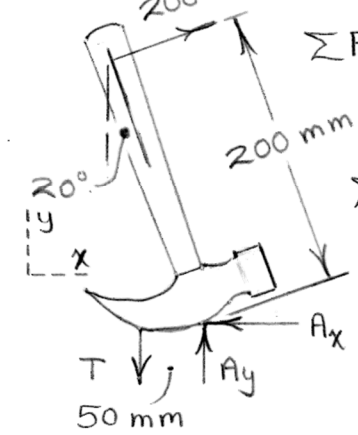
3/40



$\Sigma M_A = 0: \; 200(200) - 50T = 0, \quad \underline{T = 800 \text{ N}}$

$\Sigma F_x = 0: \; 200 \cos 20° - A_x = 0$

$A_x = 187.9 \text{ N}$

$\Sigma F_y = 0: \; A_y + 200 \sin 20° - 800 = 0$

$A_y = 732 \text{ N}$

$A = \sqrt{A_x^2 + A_y^2} = \underline{755 \text{ N}}$