

3/40

200 N
200 mm
20°
50 mm
 A_x
 A_y
 T

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

$$\sum F_x = 0 : 200 \cos 20^\circ - A_x = 0$$

$$A_x = 187.9 \text{ N}$$

$$\sum F_y = 0 : A_y + 200 \sin 20^\circ - 800 = 0$$

$$A_y = 732 \text{ N}$$

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

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