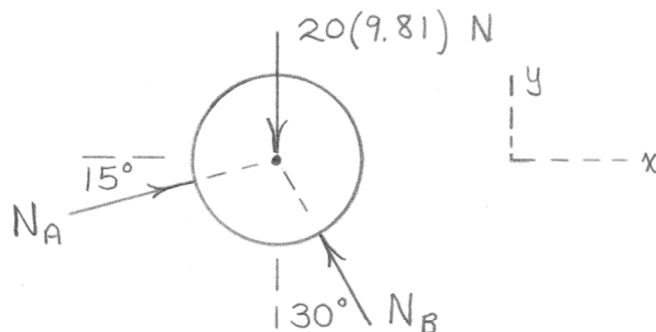


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$$\left\{ \begin{array}{l} \sum F_x = 0: N_A \cos 15^\circ - N_B \sin 30^\circ = 0 \end{array} \right. \quad (1)$$

$$\left\{ \begin{array}{l} \sum F_y = 0: N_A \sin 15^\circ + N_B \cos 30^\circ - 20(9.81) = 0 \end{array} \right. \quad (2)$$

$$\text{Solution: } \begin{cases} N_A = 101.6 \text{ N} \\ N_B = 196.2 \text{ N} \end{cases}$$

WILEY