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Using the coordinates of the problem figure:

$$\begin{aligned} R_x = \sum F_x &= 200 \cos 35^\circ - 150 \sin 30^\circ \\ &= 88.8 \text{ N} \end{aligned}$$

$$\begin{aligned} R_y = \sum F_y &= 200 \sin 35^\circ + 150 \cos 30^\circ \\ &= 245 \text{ N} \end{aligned}$$

$$\therefore \underline{\underline{R = 88.8 \underline{i} + 245 \underline{j} \text{ N}}}$$

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