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$$\begin{cases} \underline{R} = (500 + 350 \cos 60^\circ) \underline{i} + 350 \sin 60^\circ \underline{j} \\ \underline{R} = 675 \underline{i} + 303 \underline{j} \text{ N} \end{cases}$$

$$R = \sqrt{675^2 + 303^2} \longrightarrow \underline{R = 740 \text{ N}}$$

$$\theta_x = \cos^{-1}\left(\frac{R_x}{R}\right) = \cos^{-1}\left(\frac{675}{740}\right) \longrightarrow \underline{\theta_x = 24.2^\circ \text{ ABOVE } +X \text{ AXIS}}$$

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