



$$R_x = \sum F_x = 800 \cos 70^\circ - 425 \cos \theta = 0$$
$$\theta = 49.9^\circ$$

$$R_y = \sum F_y = -800 \sin 70^\circ - 425 \sin 49.9^\circ$$
$$= -1077 \text{ N}$$

So  $\underline{R = 1077 \text{ N}}$

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