2/21 Using the coordinates of the problem figure:

$$R_x = \Sigma F_x = 200 \cos 35^\circ - 150 \sin 30^\circ$$
$$= 88.8 \text{ N}$$

$$R_y = \Sigma F_y = 200 \sin 35^\circ + 150 \cos 30^\circ$$
$$= 245 \text{ N}$$

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