2-41. Determine the magnitude of the resultant force and its direction, measured counterclockwise from the positive $x$ axis.

![Diagram of forces](image)
2–50. Express $\mathbf{F}_1$, $\mathbf{F}_2$, and $\mathbf{F}_3$ as Cartesian vectors.

2–51. Determine the magnitude of the resultant force and its direction, measured counterclockwise from the positive $x$ axis.

Probs. 2–50/51
2–59. If \( F = 5 \text{ kN} \) and \( \theta = 30^\circ \), determine the magnitude of the resultant force and its direction, measured counterclockwise from the positive \( x \) axis.