

2


Find the resultant of the forces shown in the figure and determine the angle by which the $x$ component deviates from the x-axis in the counterclockwise direction.

3

a) If $\theta=60^{\circ}$, find the magnitude of the resultant and the angle it makes with the horizontal.
b) What should be the angle $\theta$ for the resultant to be horizontal?

4


Find the resultant of the forces shown in the figure and determine the angle by which the $x$ component deviates from the $x$-axis in the counterclockwise direction.


