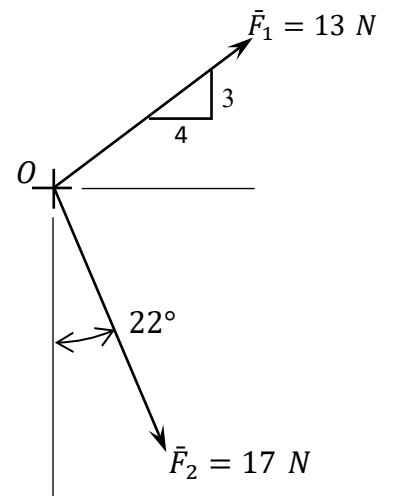


Vector Addition

- For vectors \vec{F}_1 and \vec{F}_2 , determine the magnitude of the resultant $\vec{R} = \vec{F}_1 + \vec{F}_2$.

- | | |
|-----------|-----------|
| A. 17.2 N | B. 18.6 N |
| C. 19.2 N | D. 17.9 N |



- For vectors \vec{F}_1 and \vec{F}_2 , determine the magnitude of the angle between the resultant $\vec{R} = \vec{F}_1 + \vec{F}_2$ and the horizontal reference line.

- | | |
|-----------------|-----------------|
| A. 25.4° | B. 27.2° |
| C. 24.1° | D. 22.6° |