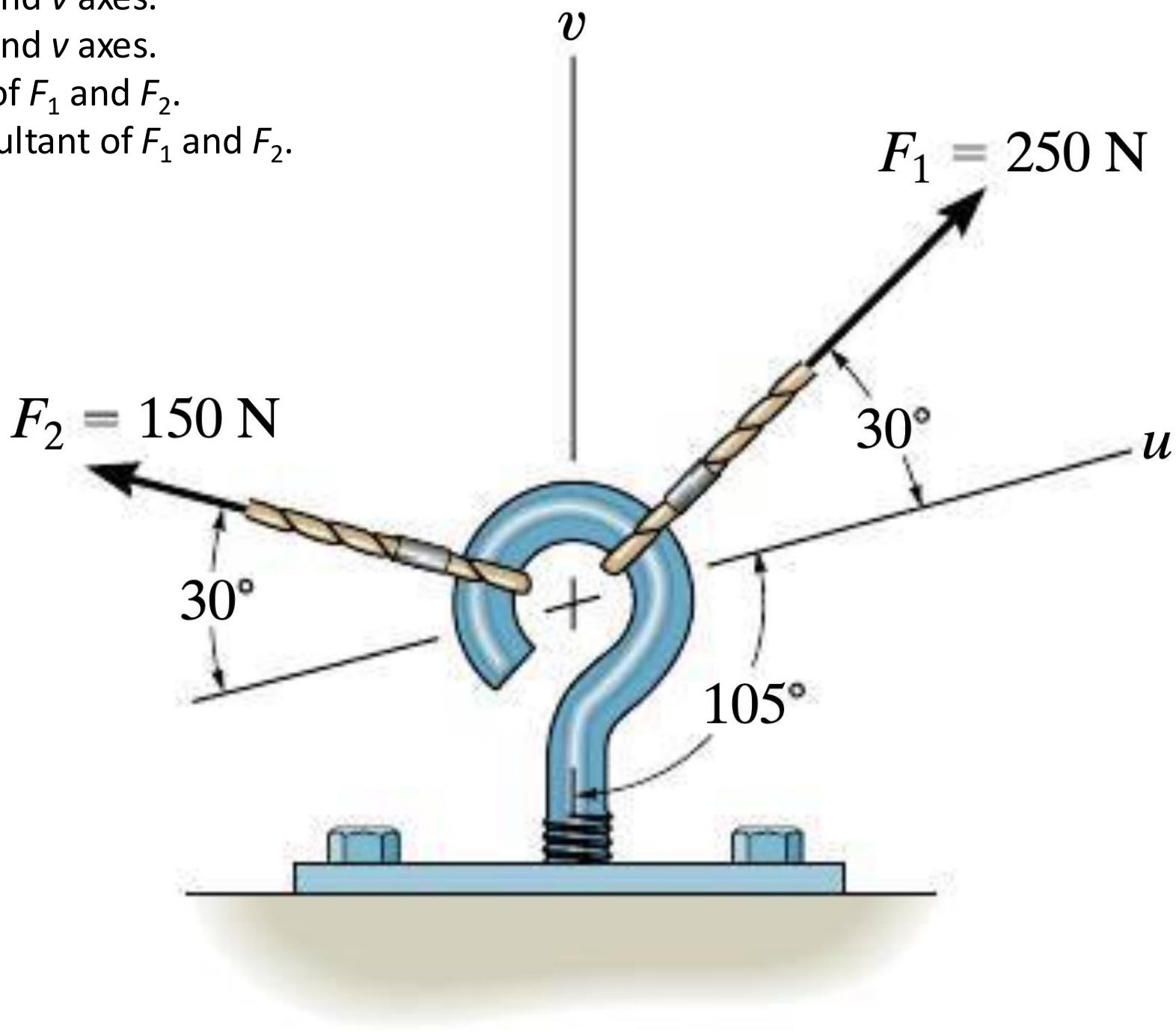
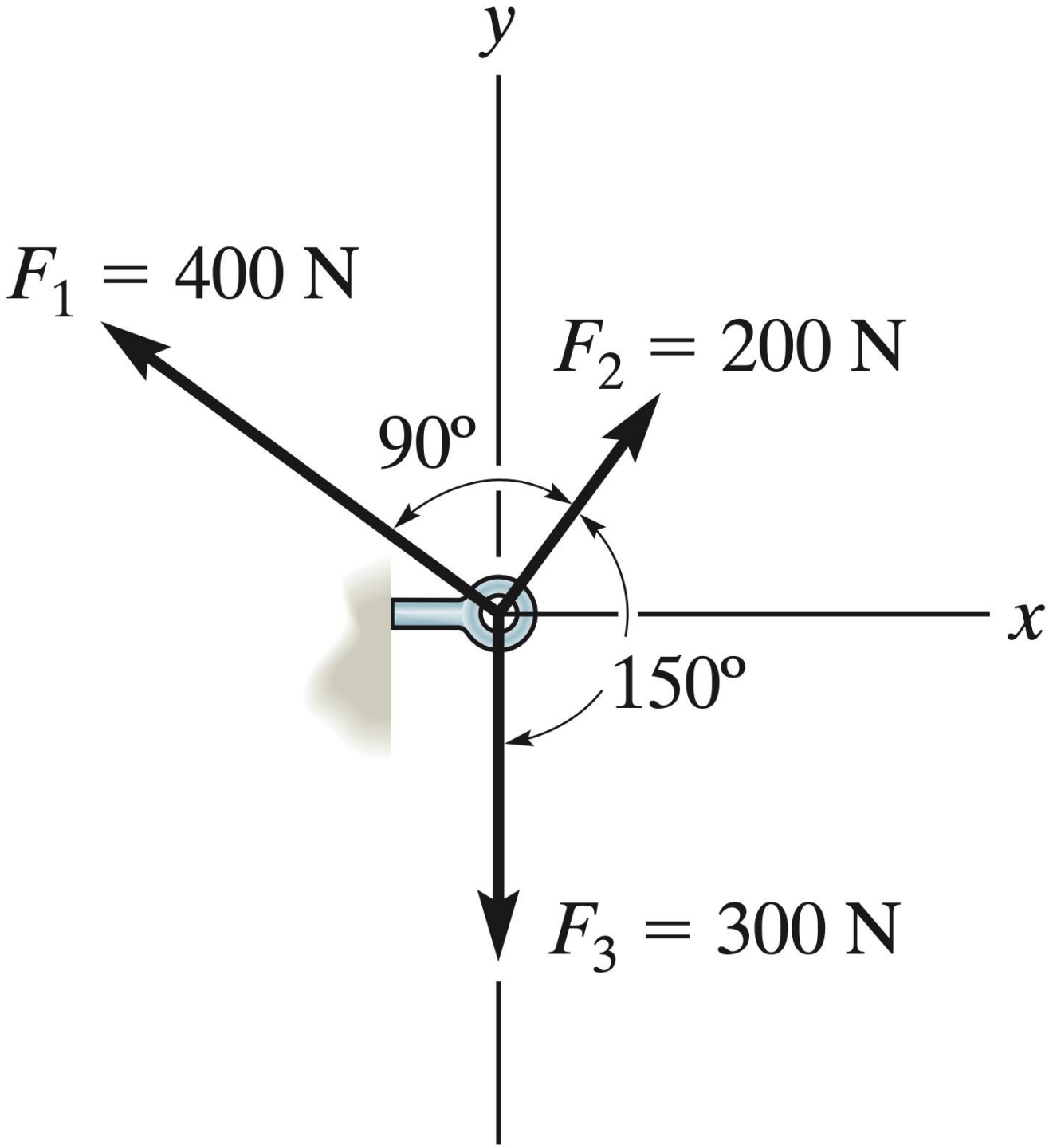
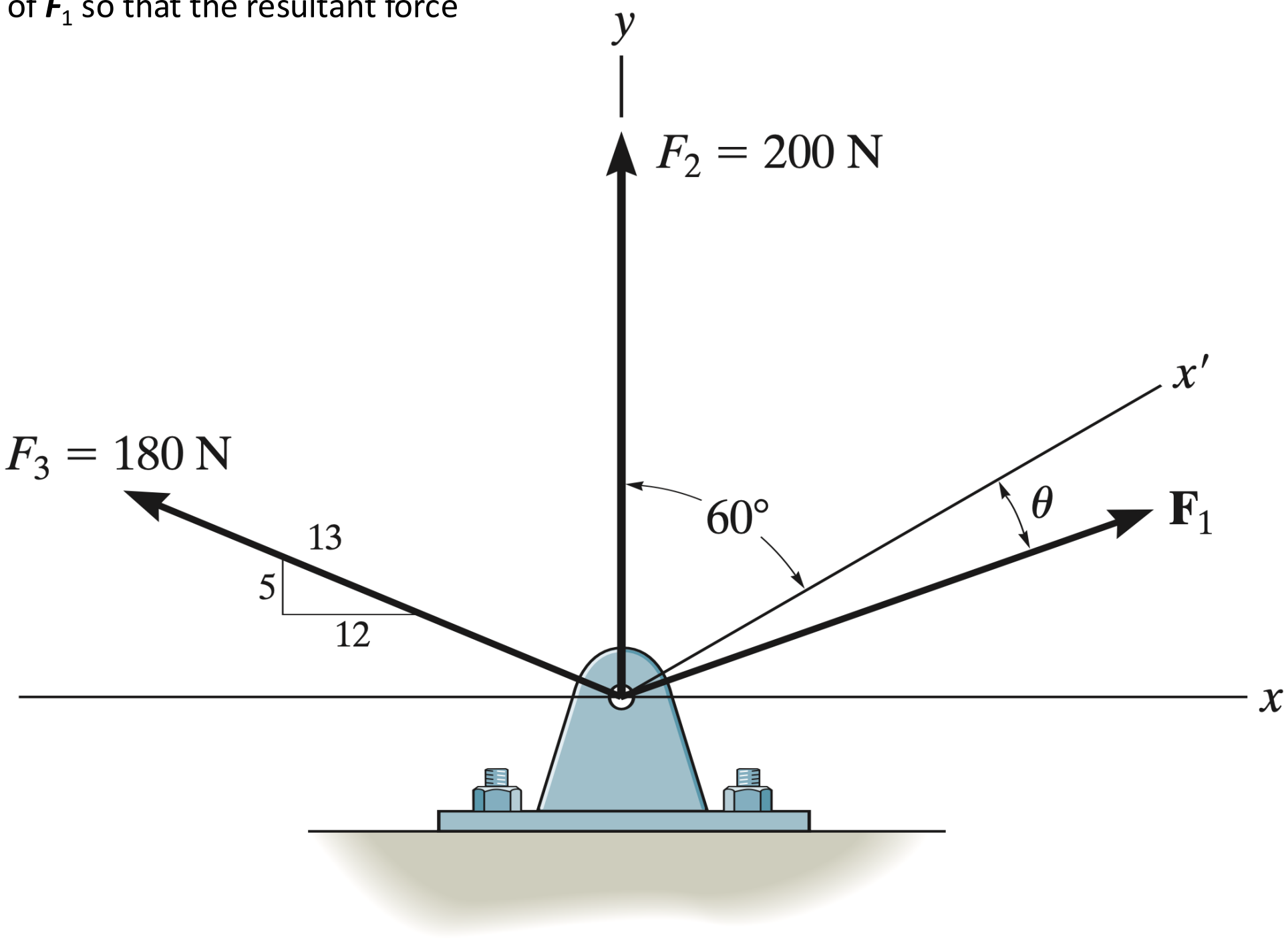
a. Resolve F_1 into its components along *u* and *v* axes.
b. Resolve F_2 into its components along *u* and *v* axes.
c. Use parallelogram law to find resultant of F_1 and F_2.
d. Use Cartesian representation to find resultant of F_1 and F_2.



a. Use parallelogram law to find $F_1 + F_2 + F_3$.
b. Use Cartesian representation to find $F_1 + F_2 + F_3$.



Determine θ and magnitude of $\boldsymbol{F}_1$ so that the resultant force is 800 N along the *x'* axis.



The resultant force is 450 N along the positive *u* axis.
Determine ϕ and the magnitude of $\boldsymbol{F}_1$.