

*2–56. If the magnitude of the resultant force acting on the bracket is to be 450 N directed along the positive u axis, determine the magnitude of \mathbf{F}_1 and its direction ϕ .

2–57. If the resultant force acting on the bracket is required to be a minimum, determine the magnitudes of \mathbf{F}_1 and the resultant force. Set $\phi = 30^\circ$.

Problems 2–56/57

