1. Use the parallelogram rule to determine the Resultant force from the addition the two vectors

a)

b) If the magnitude of force P is 14 lb, find the angle, $\alpha$, for which the resultant force in horizontal and solve for the magnitude of the resultant force?
2. Using the component method and the x-y coordinate system shown, find the resultant force $\mathbf{R}$ in i and j component form.

a)

b)

c)