## Homework H2.A

Given: Three forces acting on the bracket as shown.
Find: Determine load $P$ and the angle $\theta$ such that the resultant of these three forces is zero in both $x$ and $y$ directions.

Use the following parameter values in your analysis: $F_{1}=600 \mathrm{~N}$ and $F_{2}=500 \mathrm{~N}$.


