## Homework Problem 2.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:  $F_1 = 600 \text{ N}$  and  $F_2 = 500 \text{ N}$ .

