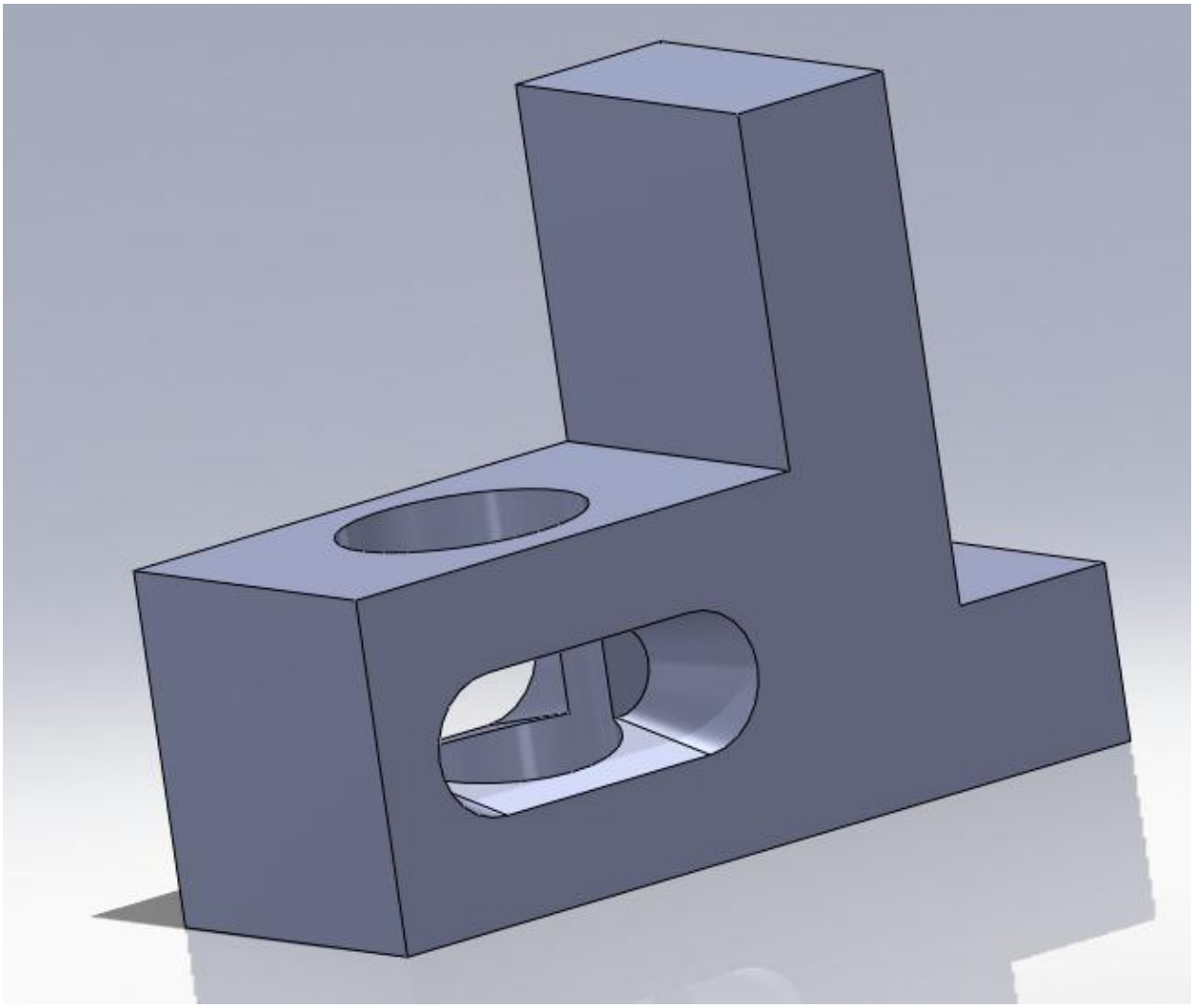
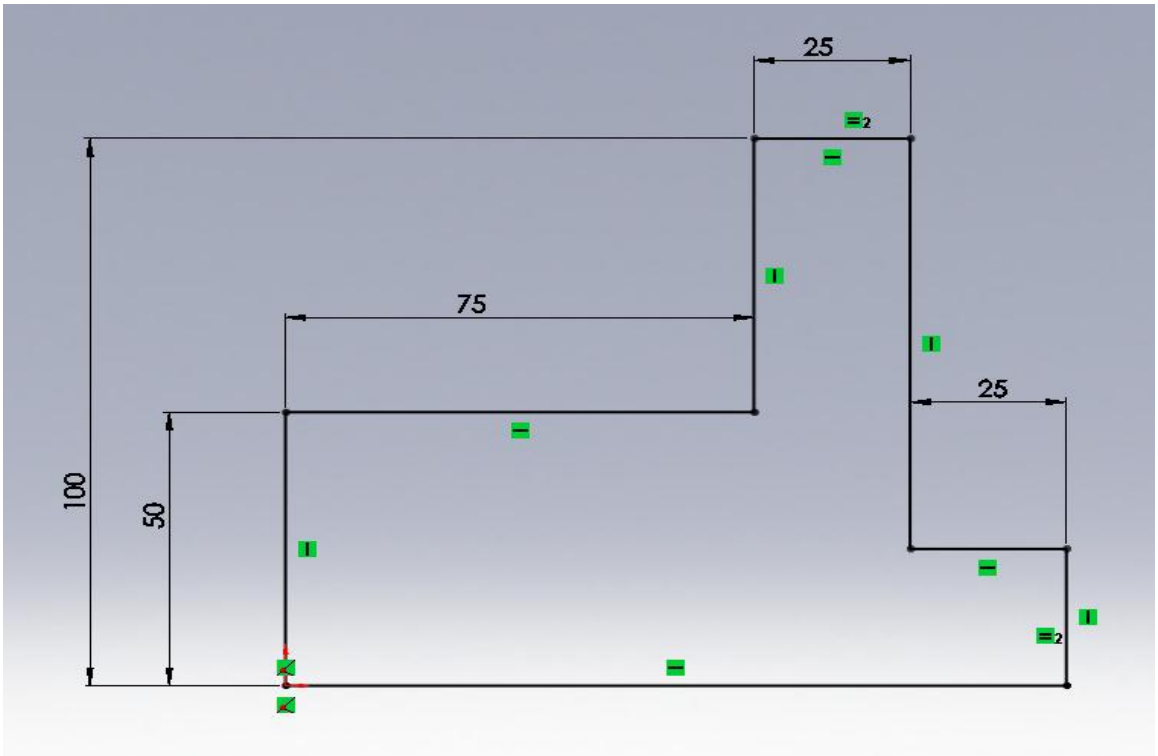
Workshop 3

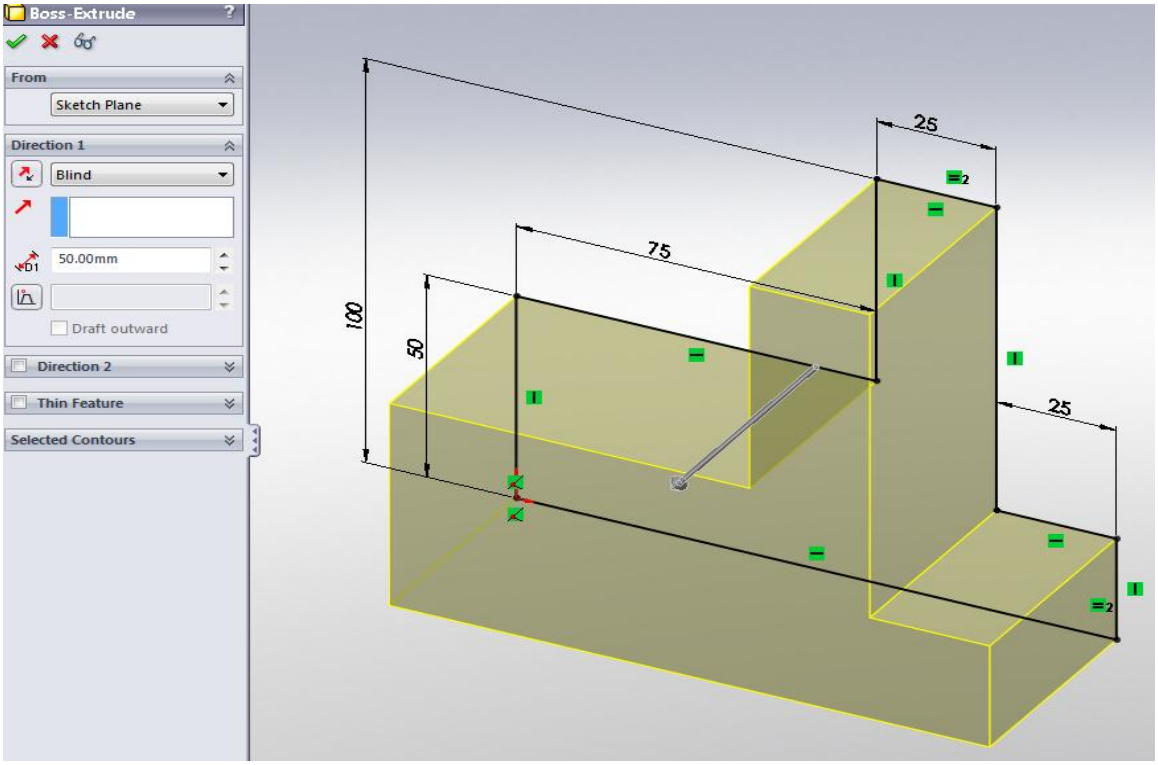


Save file as “Firstname_Lastname_ws3.sldprt”

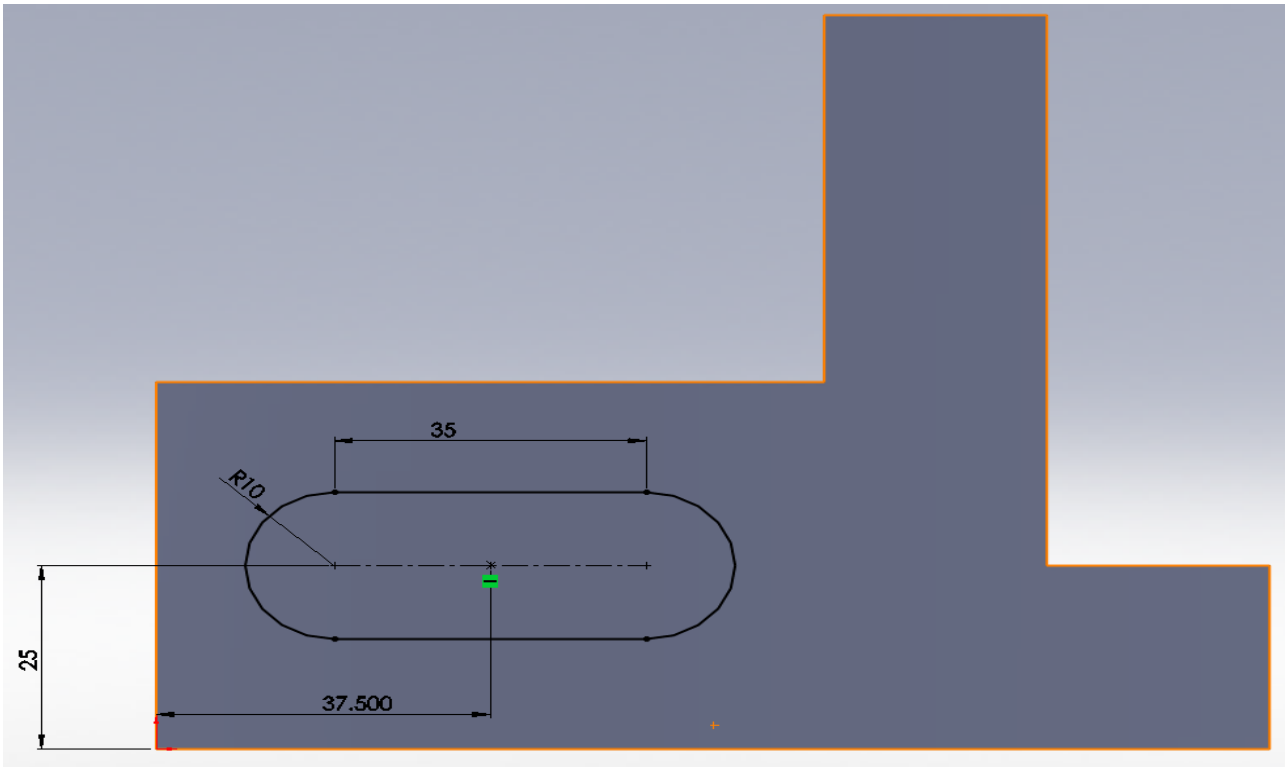
1. Create the following sketch on the **FRONT** Plane (**UNITS = mm**). Note the constraint where two of the lines are of **EQUAL** length.



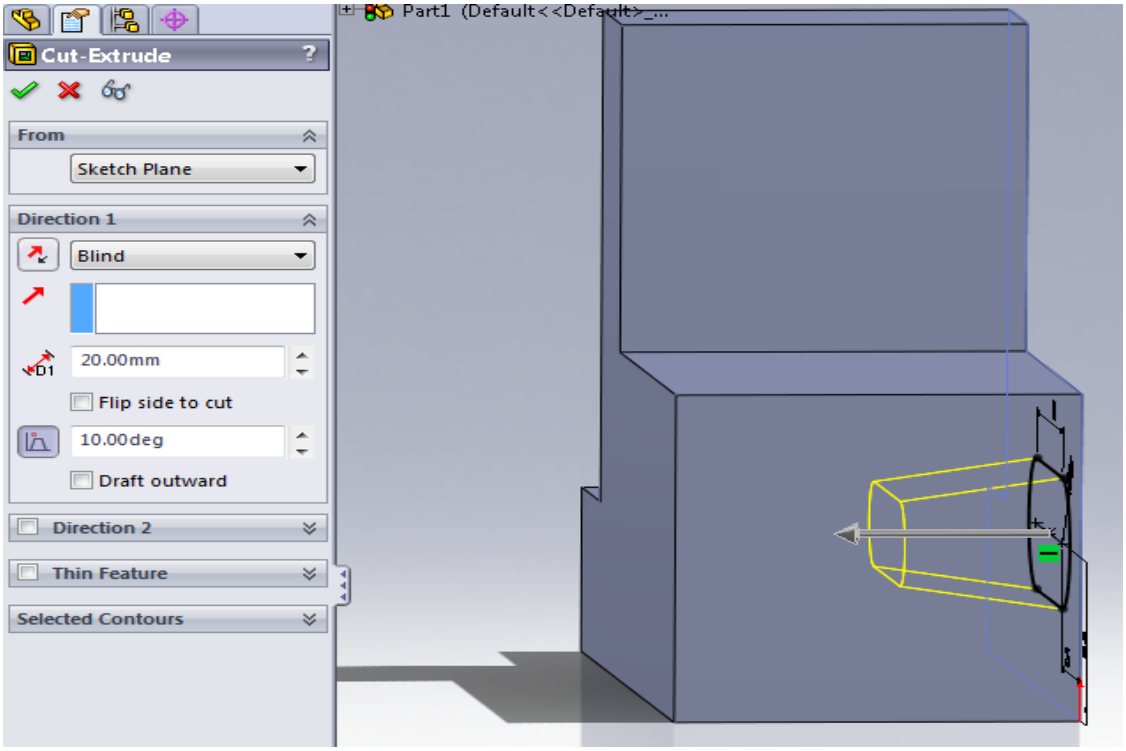
2. **EXTRUDE** this in **DIRECTION 1** to a distance of **50 mm**.



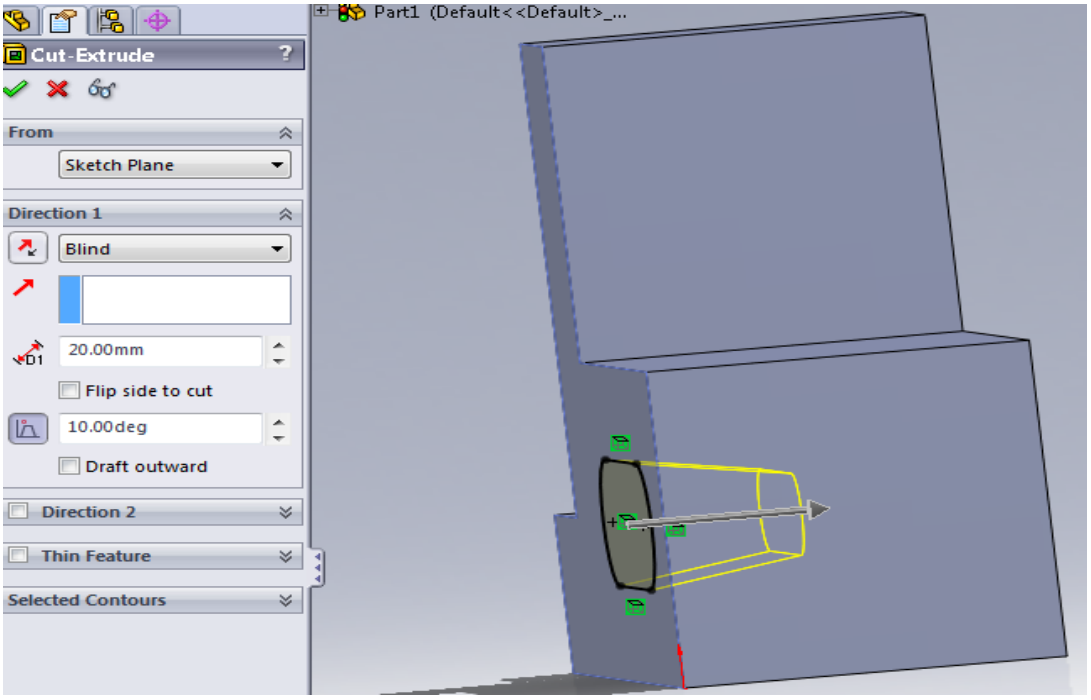
3. Make the following sketch on the plane that was just extruded.



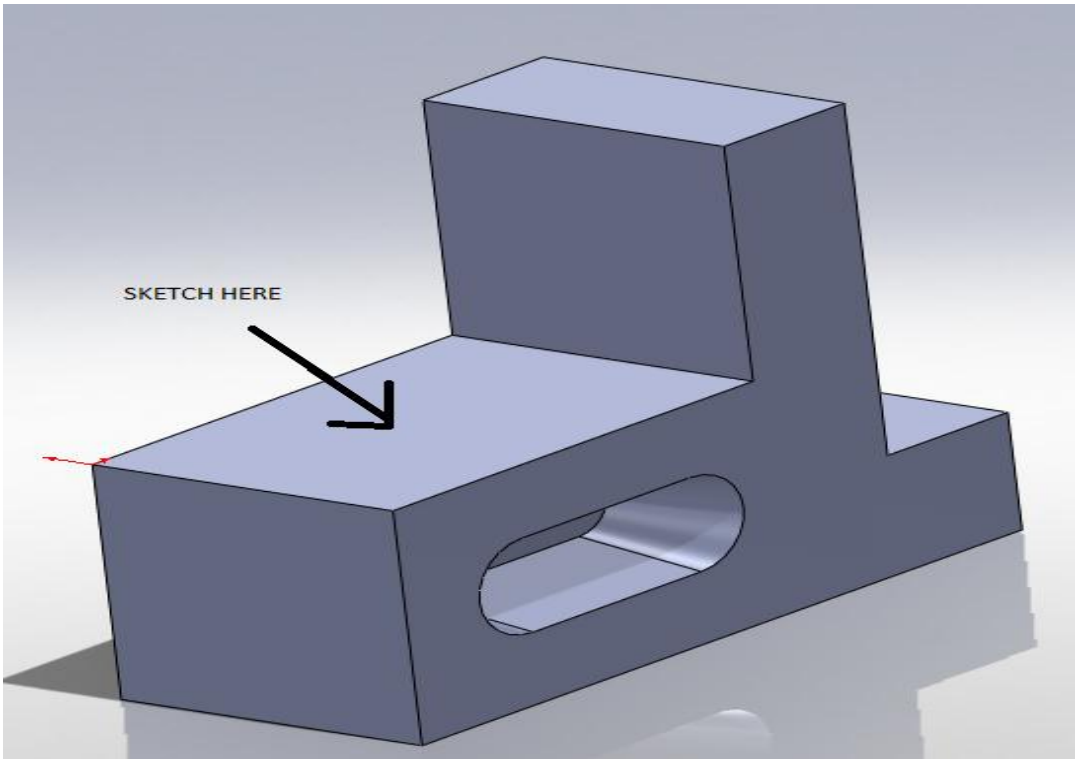
4. Make an **EXTRUDED CUT** of length **20.00 mm** at an **ANGLE** of **10°**.



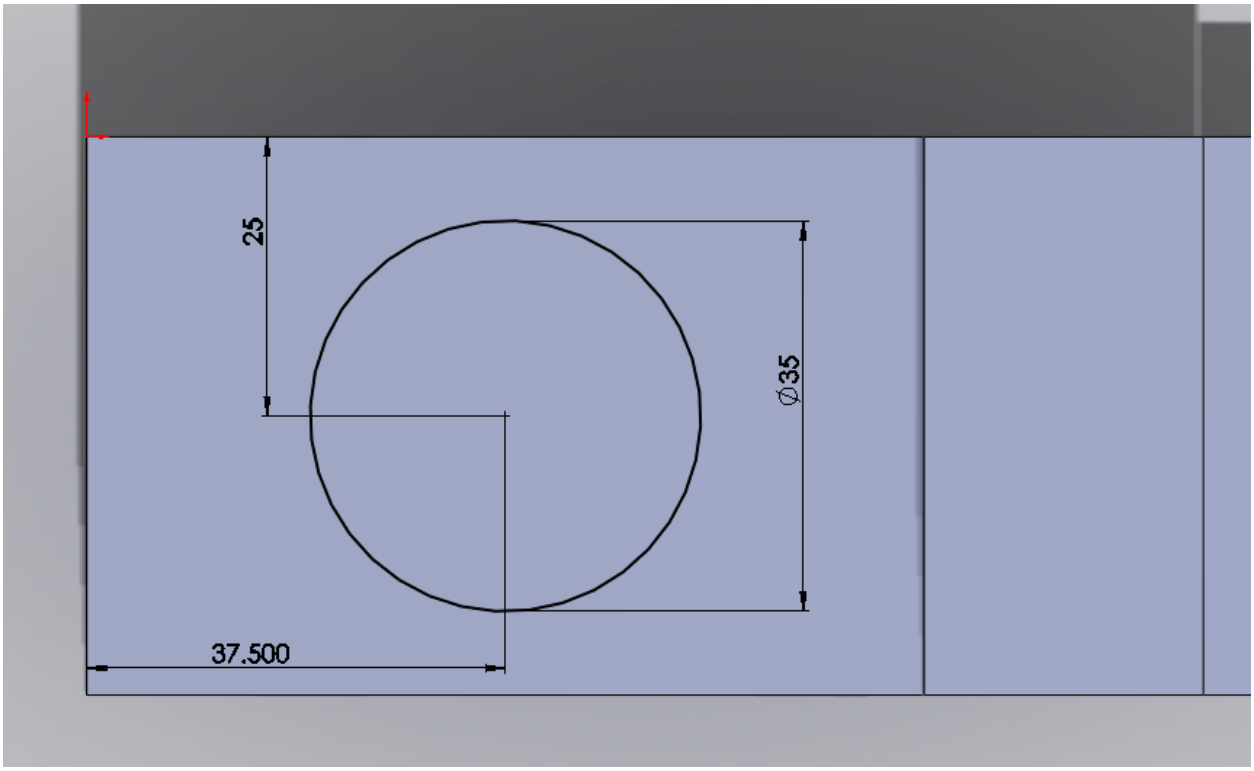
5. Sketch on the opposite face that you just sketched on. Make the same sketch by **CONVERTING ENTITIES** from your last sketch onto this face.
6. Make an **EXTRUDED CUT** in the same way as before with distance **= 20.00 mm** and **ANGLE** of **10°**.



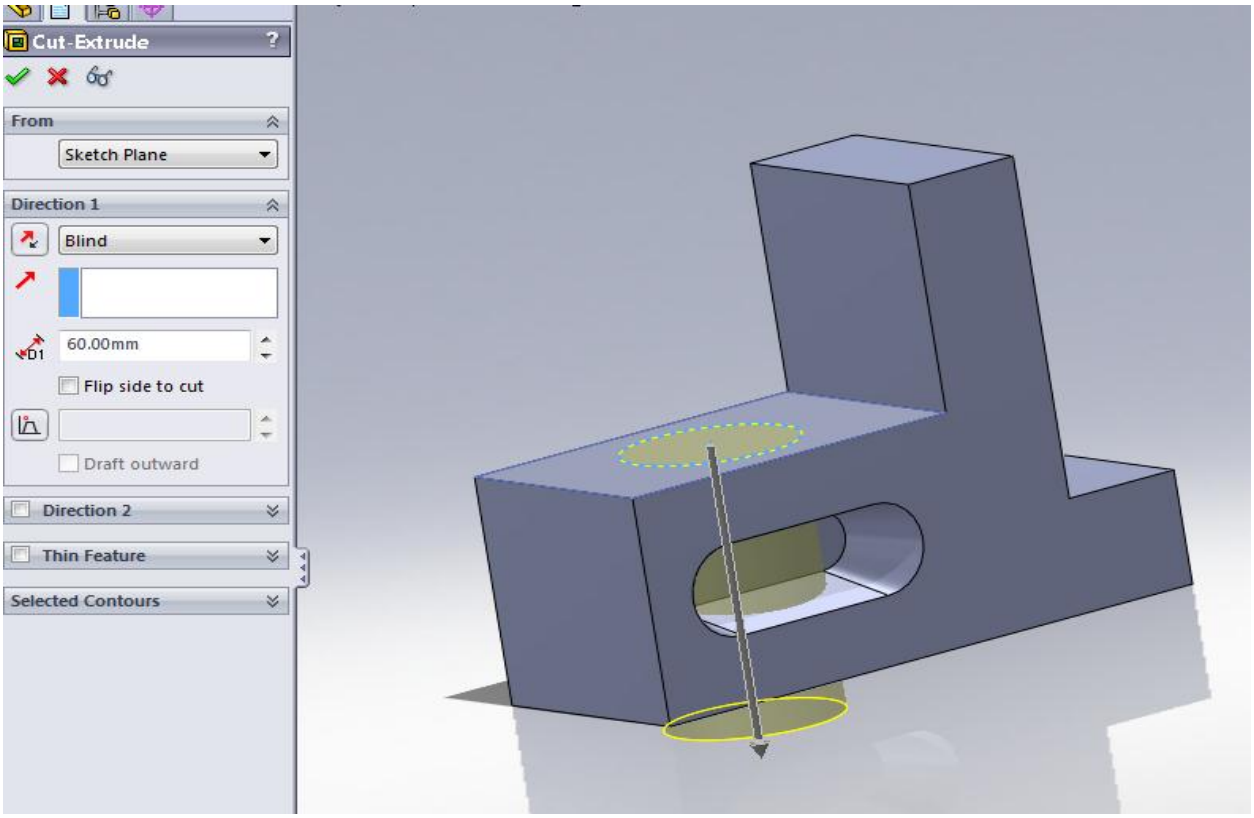
7. Now, sketch on the **TOP** face in between the two planes that were just sketched on.



8. Make the following sketch:



9. Make an **EXTRUDED CUT** all the way through. (Distance must be > or = 50.00 mm)



Final Part: