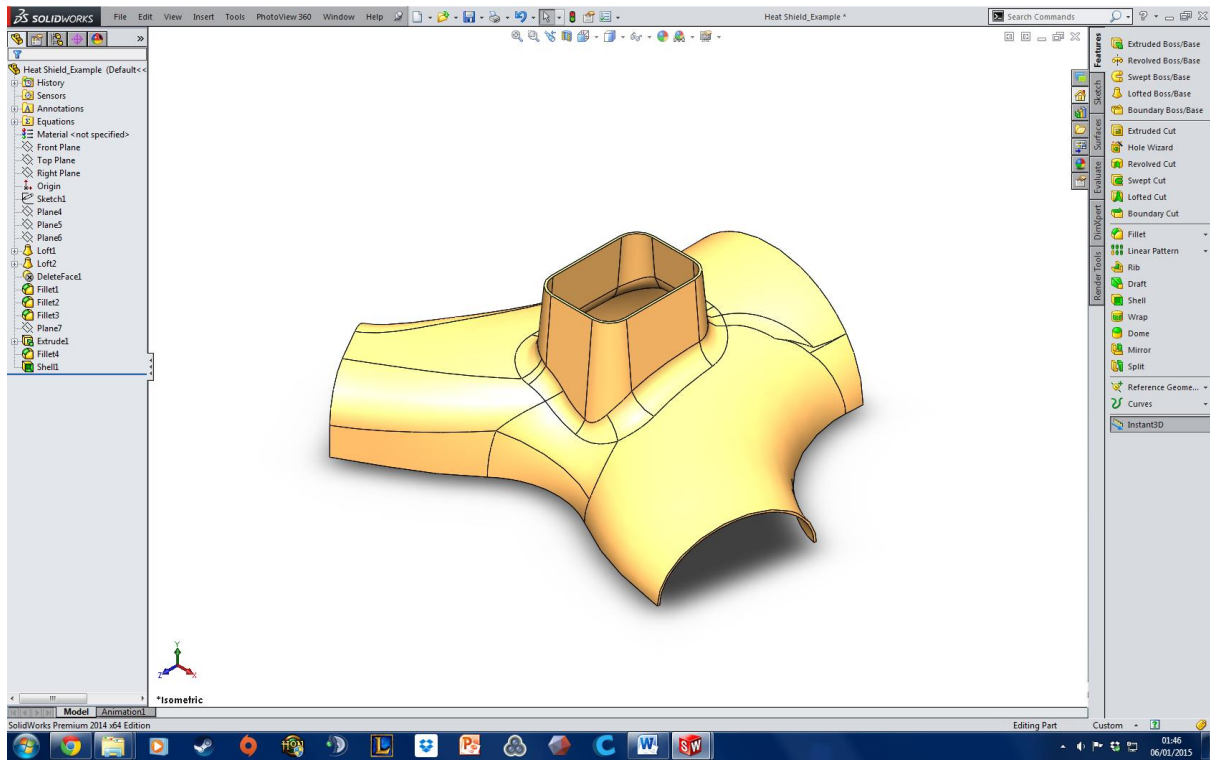
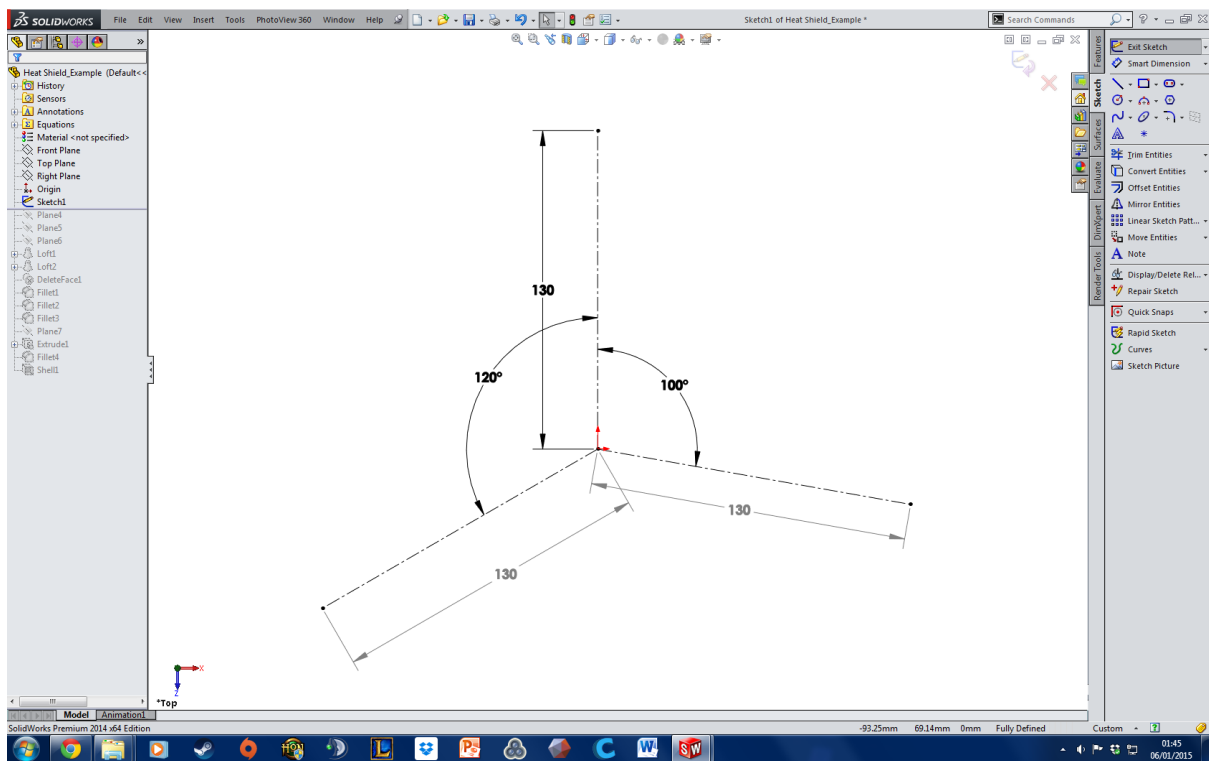


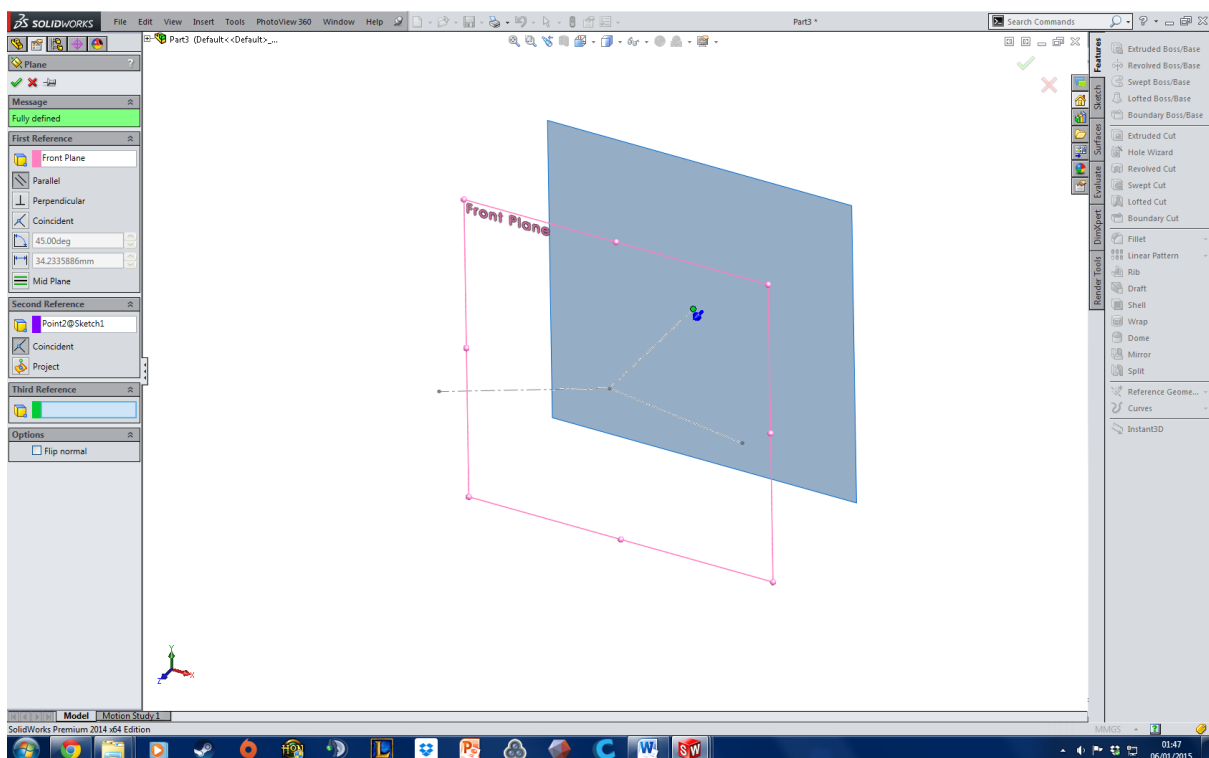
Heat Shield Example



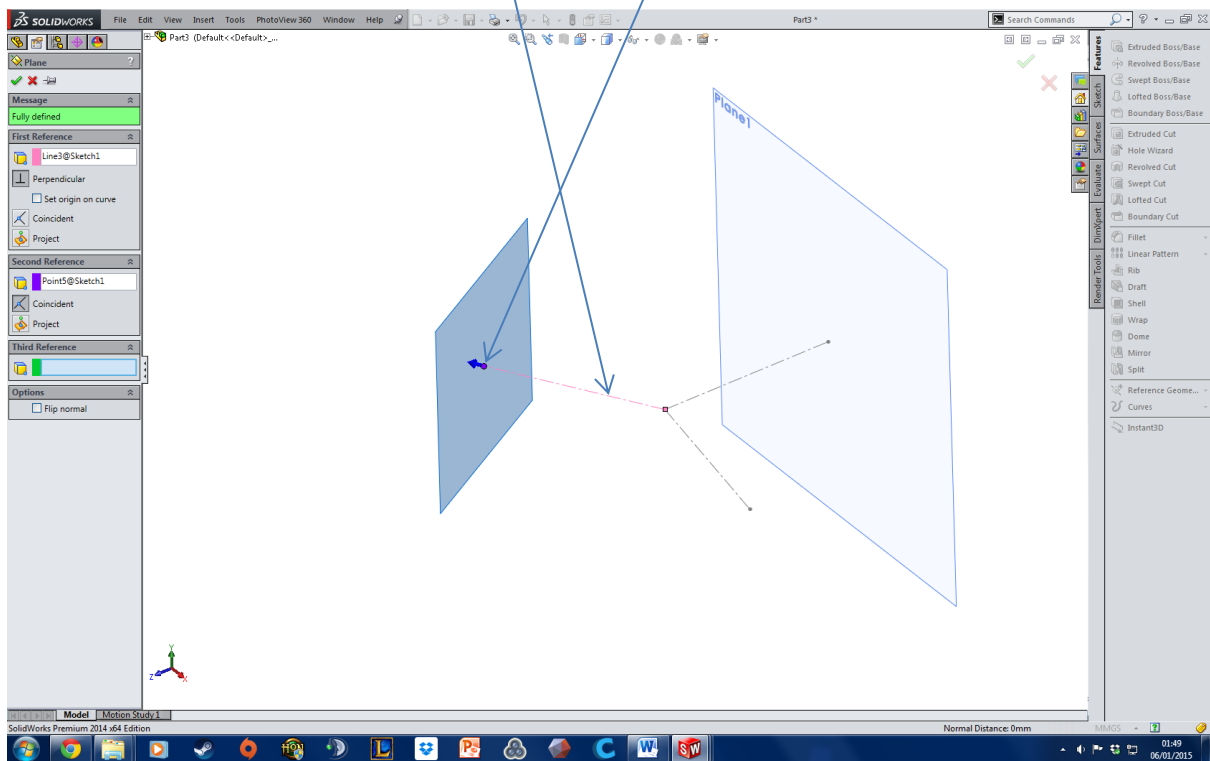
Create the guide sketch on the Top Plane



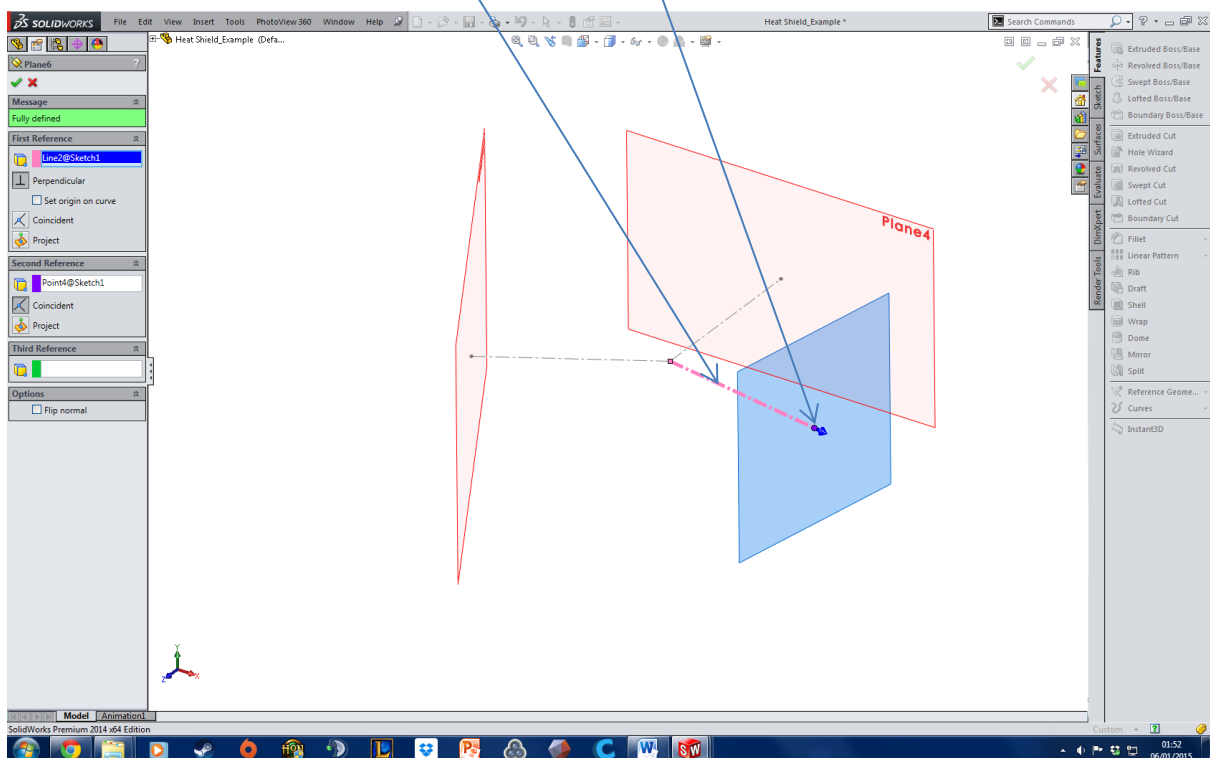
Create a plane using the Front Plane and the point (shown below)



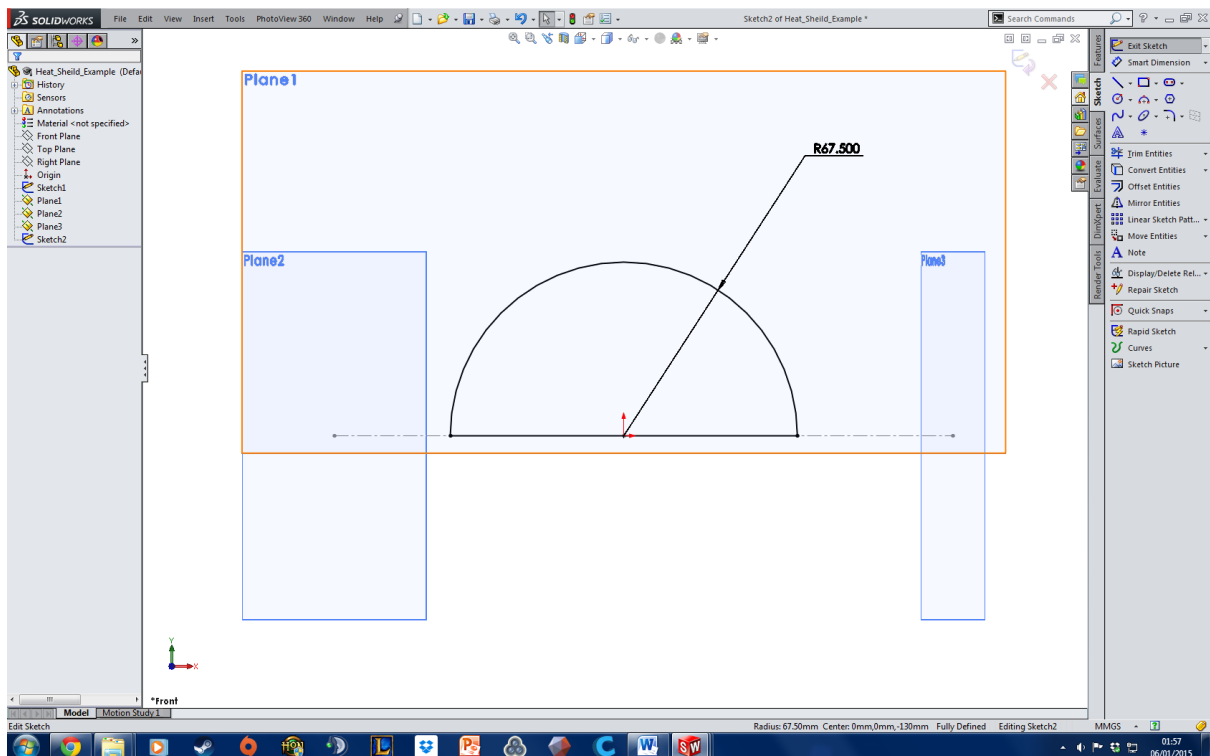
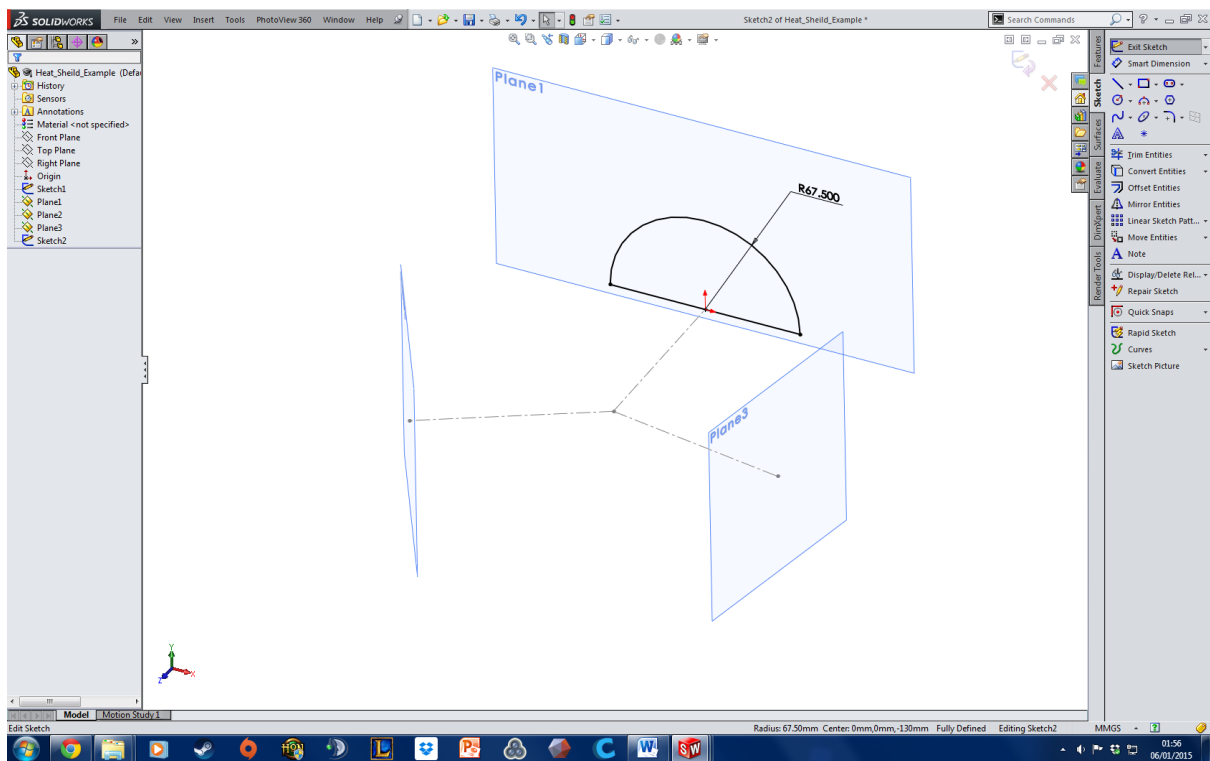
Create a second plane using the sketch line and the point (shown below)



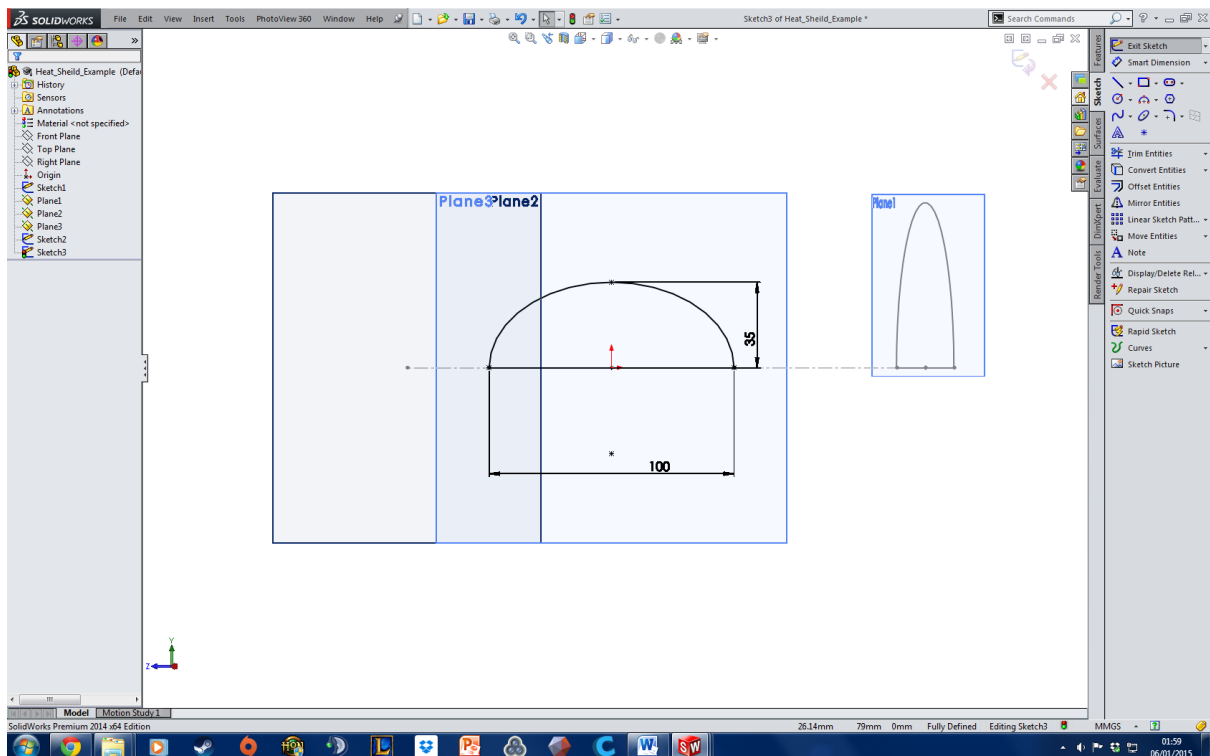
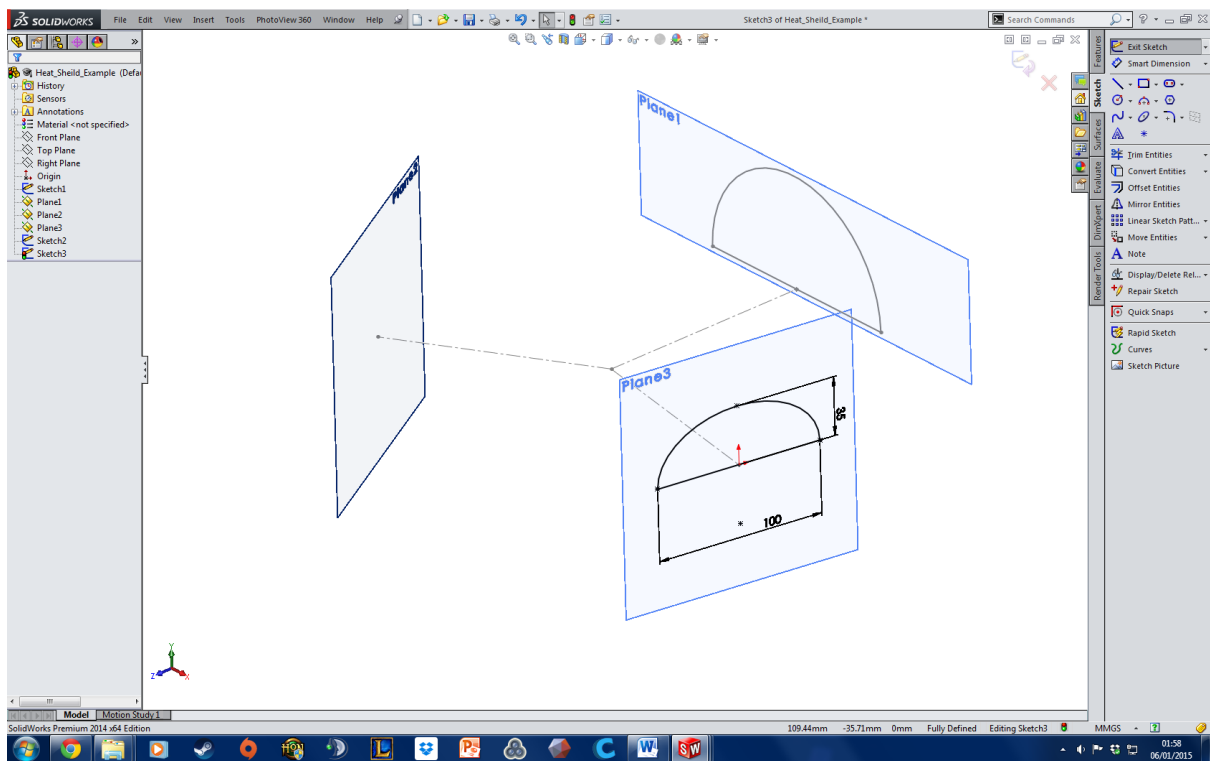
Create a third plane using the sketch line and the point (shown below)



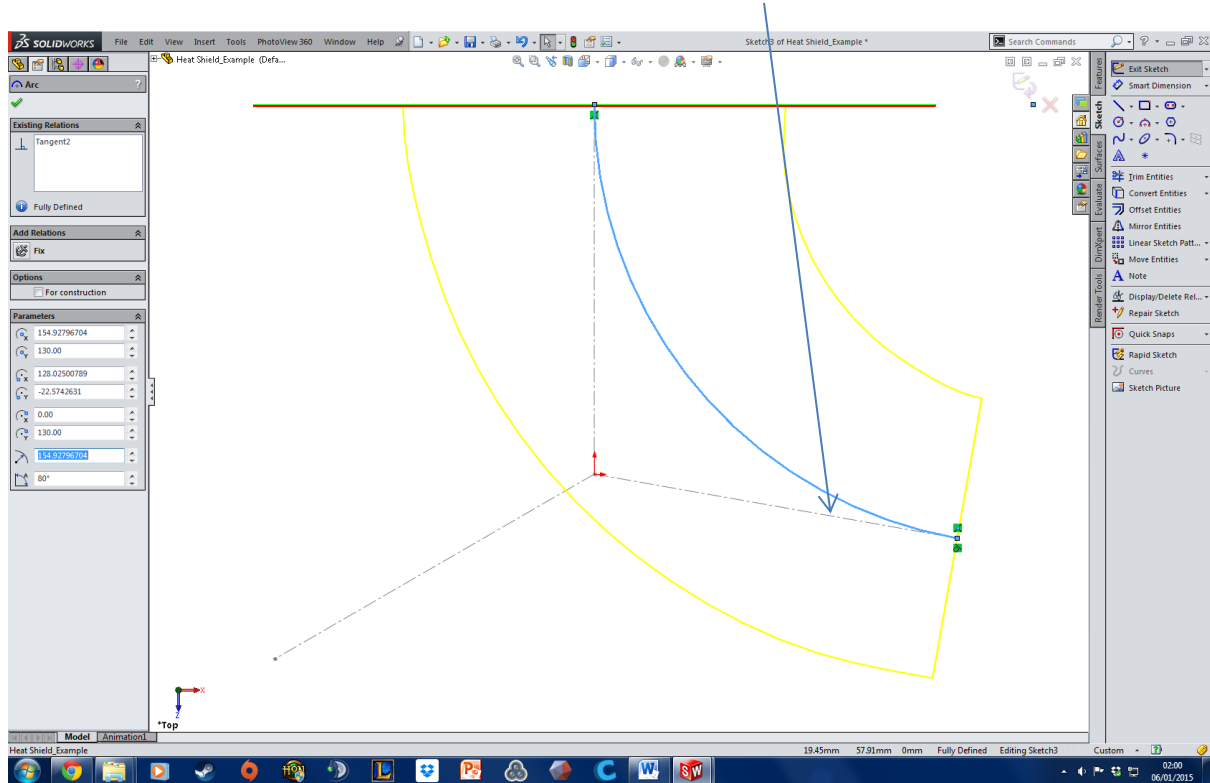
Create an arc on the first plane created with a radius of 67.5 mm



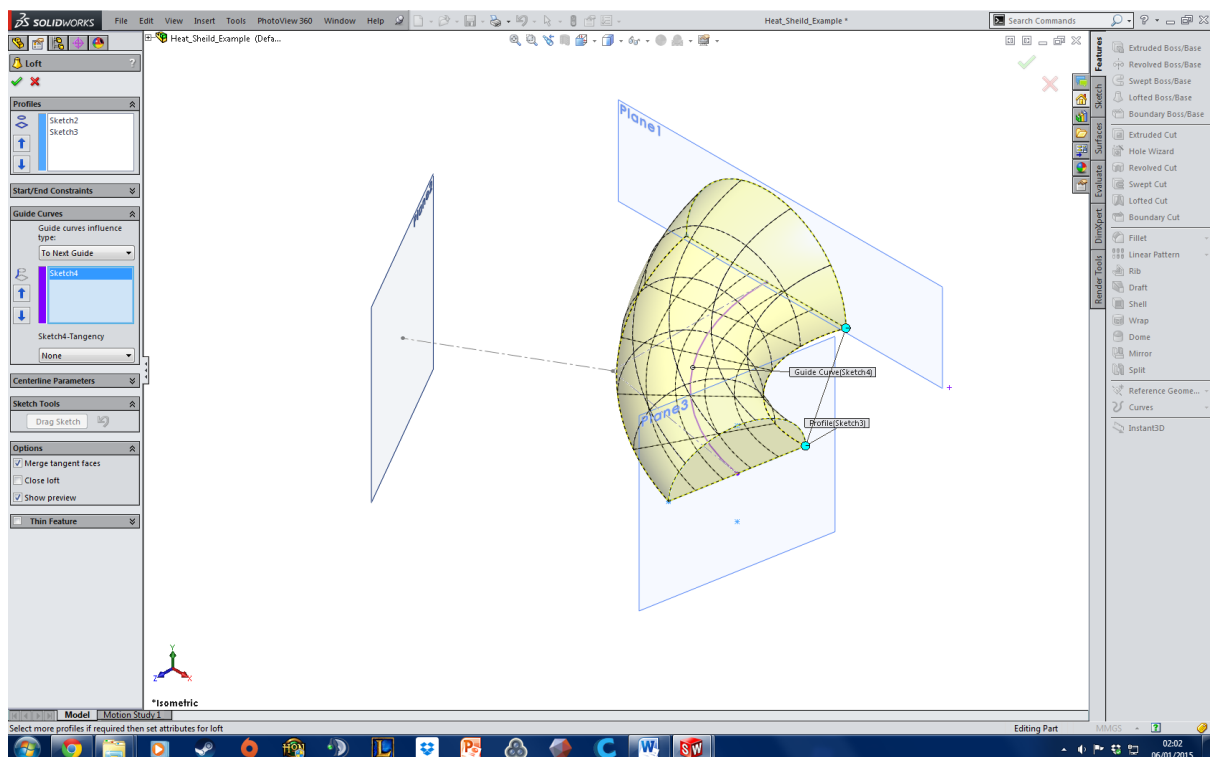
Create half an ellipse on the third plane created with a measurement of 35.00mm x 100.00mm



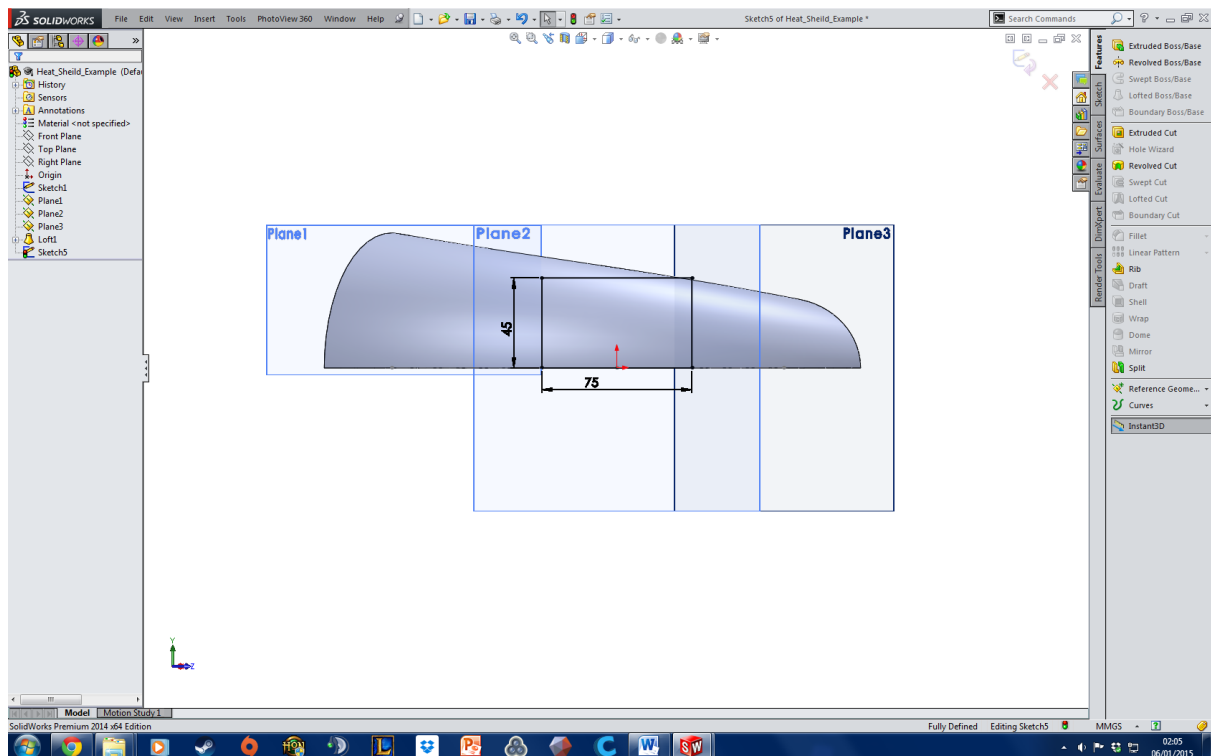
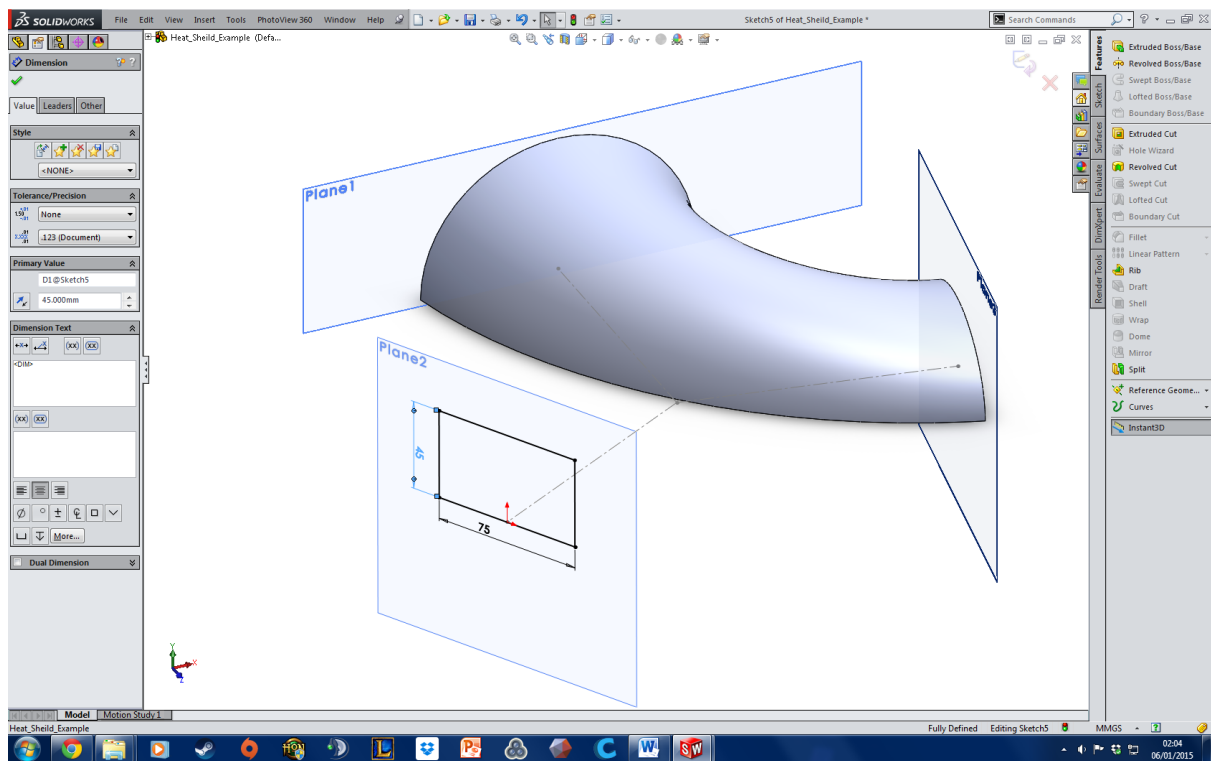
Create a sketch on the Top Plane which is tangent to the reference line (shown below)



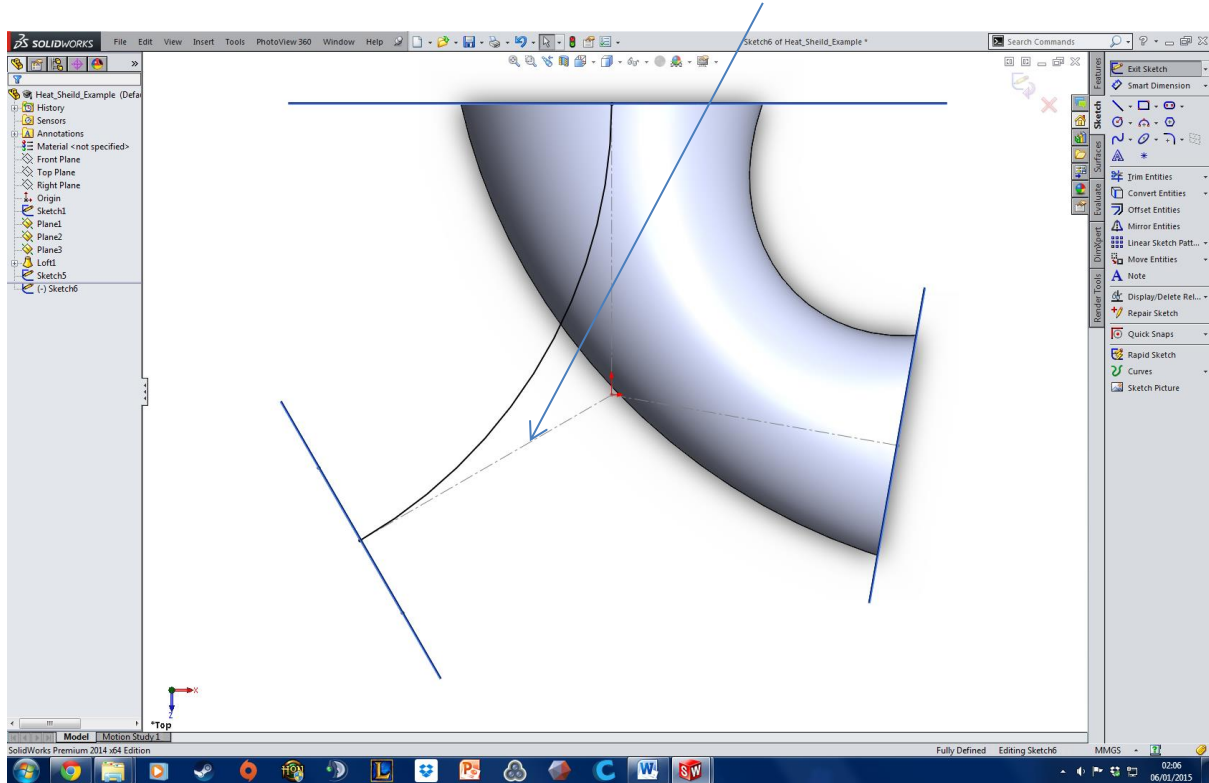
Create a Loft using the Arc and Half Ellipse as the Profiles and the Curve on the Top Plane as a Guide Curve



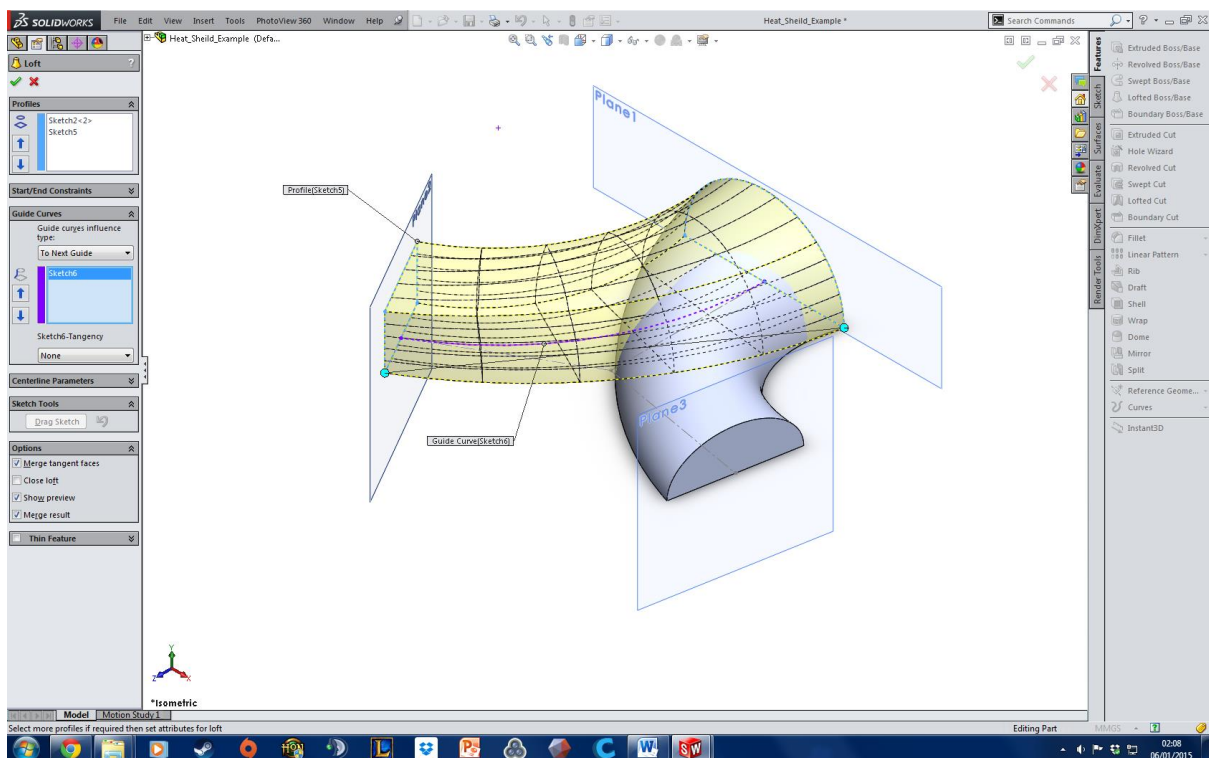
Create a rectangle on the second plane with the measurements 45.00mm x 75.00mm (shown below)



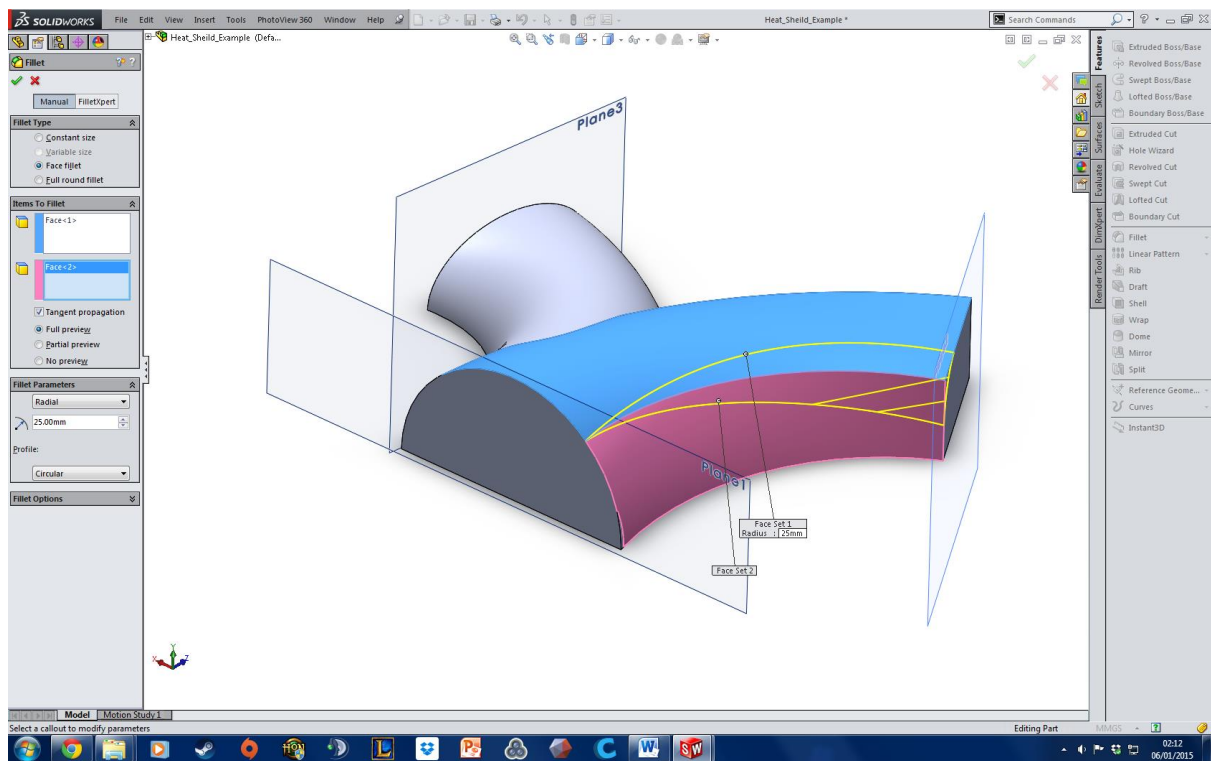
Create a sketch on the Top Plane which is tangent to the reference line (shown below)



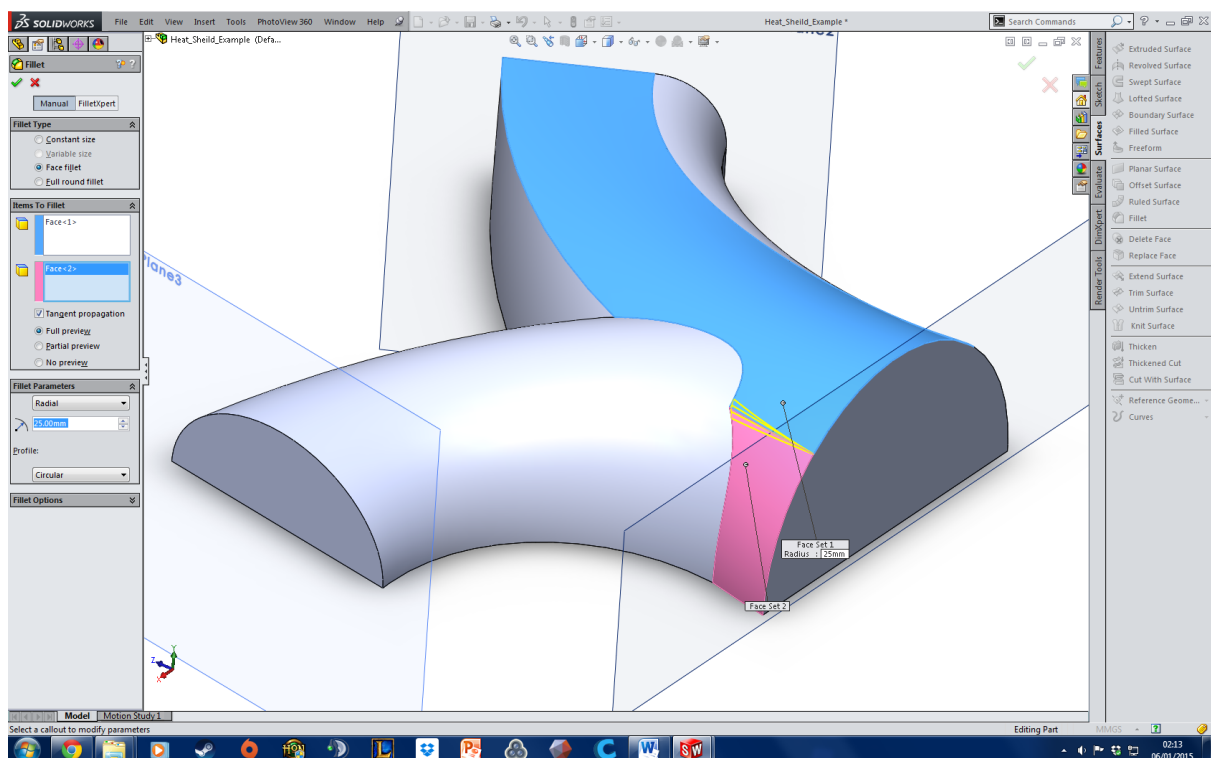
Create a Loft using the Arc and Rectangle as the Profiles and the Curve on the Top Plane as a Guide Curve (shown below)



Use the face fillet and select the surfaces shown to fillet 25.00mm



Use the face fillet and select the surfaces shown to fillet 25.00mm

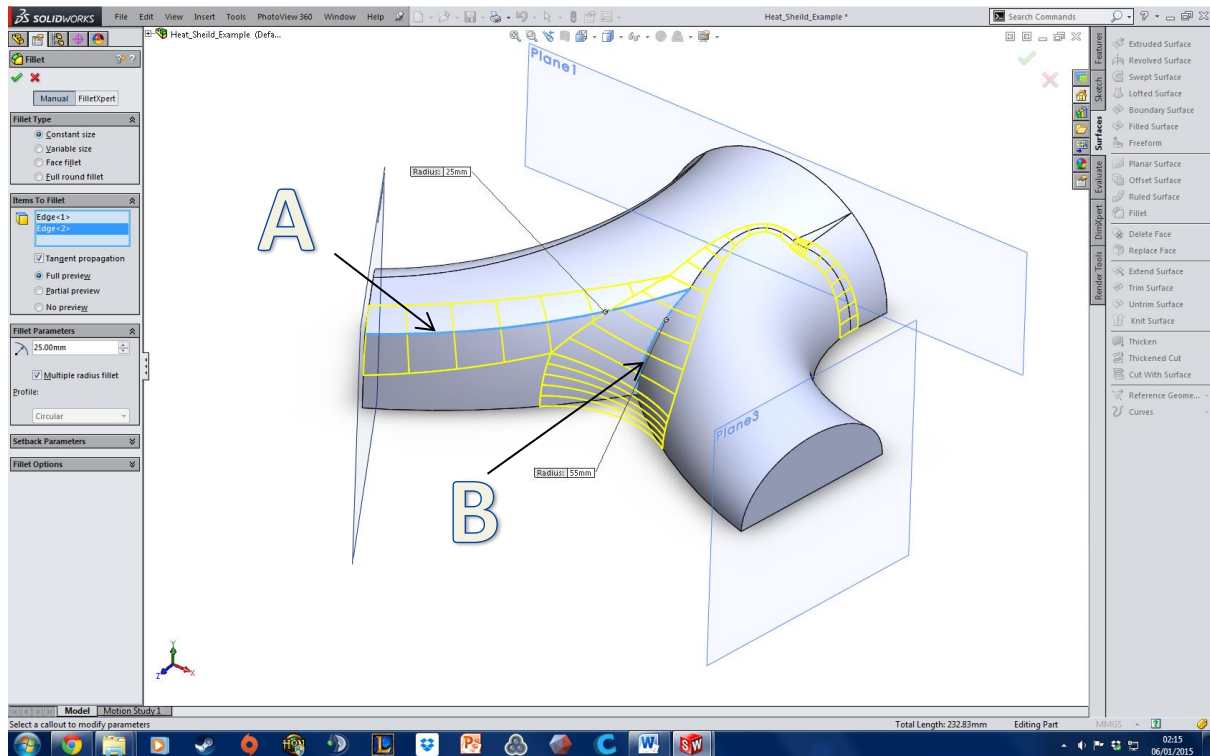


Use the fillet tool to create a fillet on the two blue edges

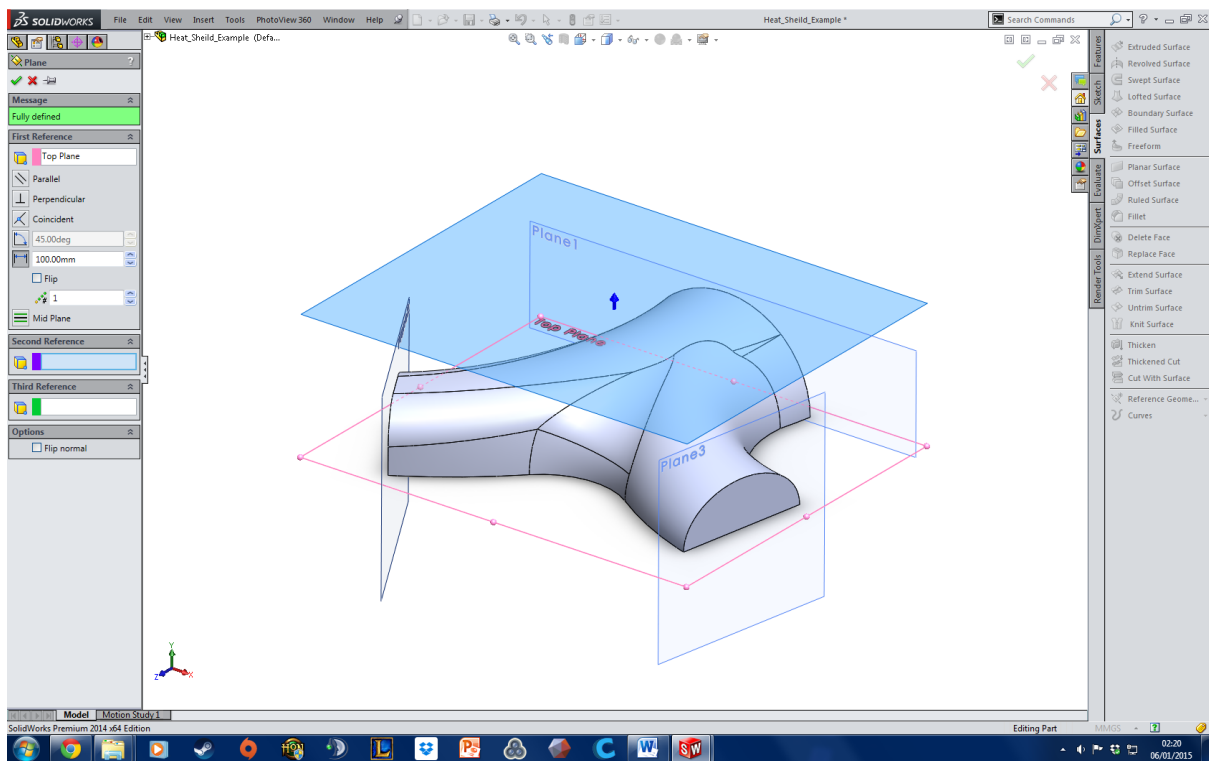
Under **Fillet Parameters** tick the **Multiple Radius Fillet** option

Edge A = 25.00mm

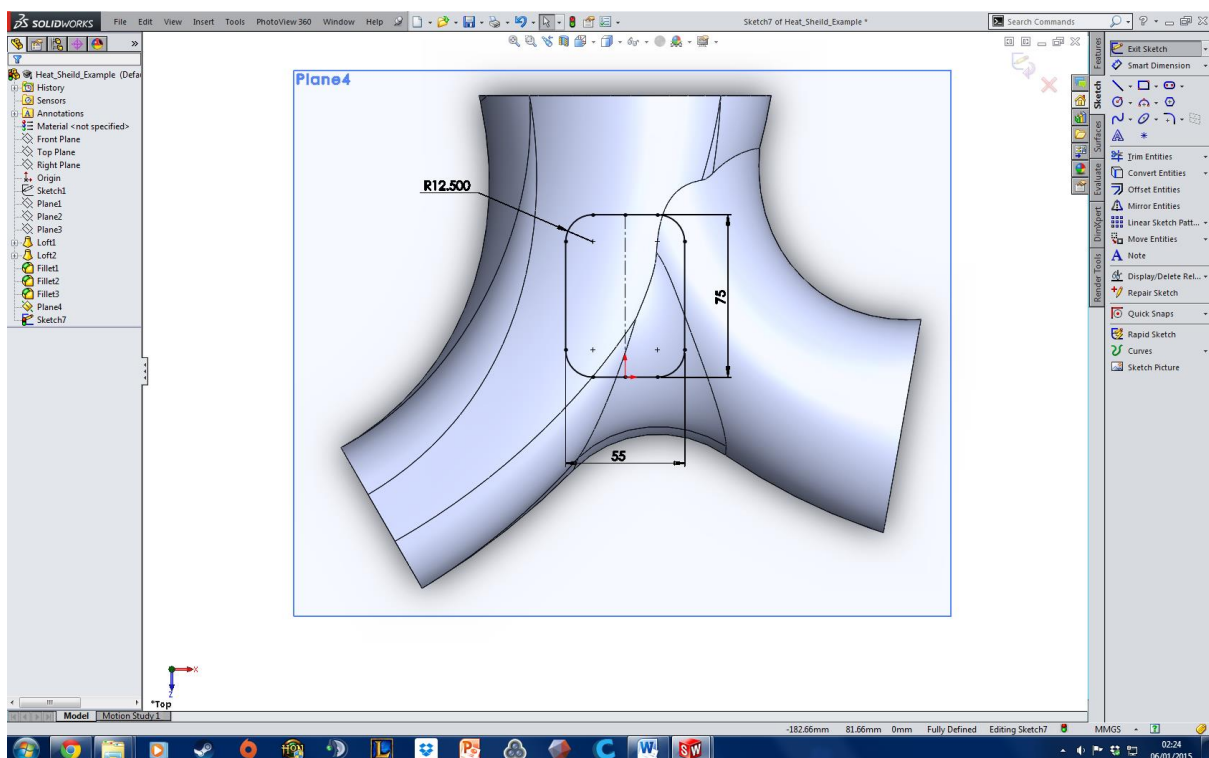
Edge B = 55.00mm



Create a new plane using the Top Plane; make it 100.00mm above the Top Plane

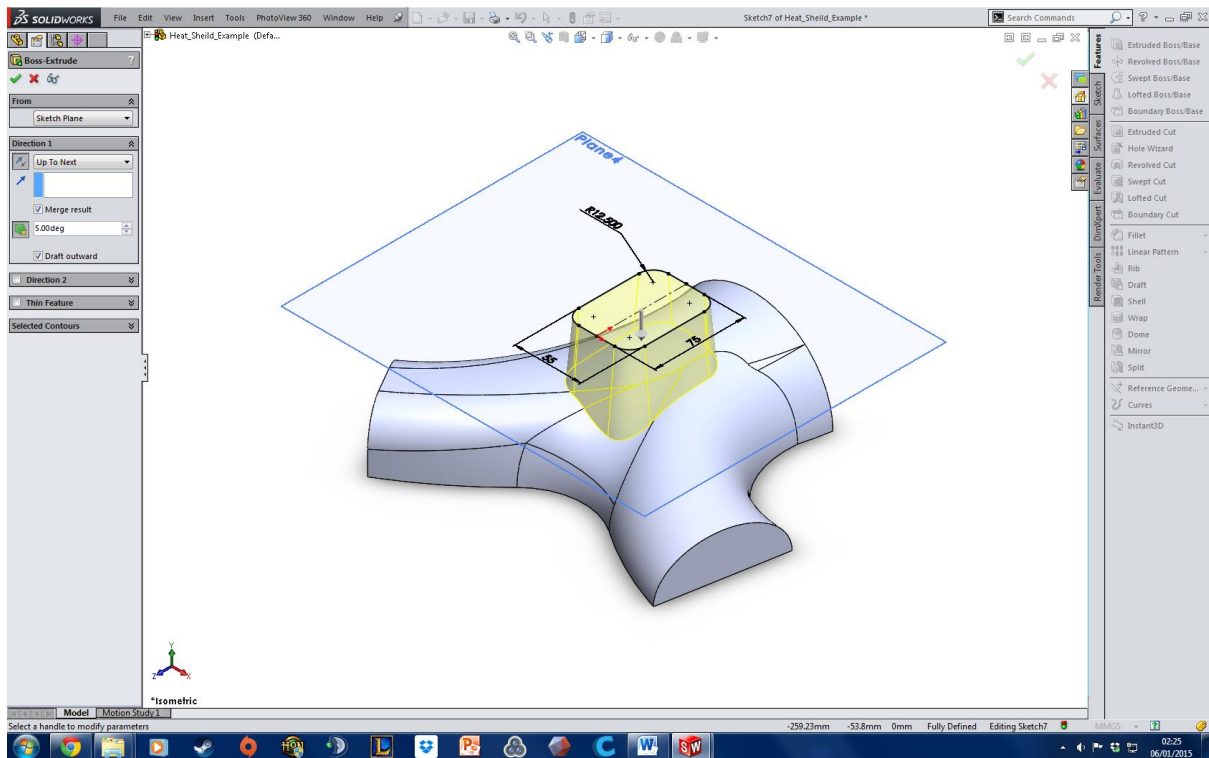


Create the sketch on the fourth plane (shown below)

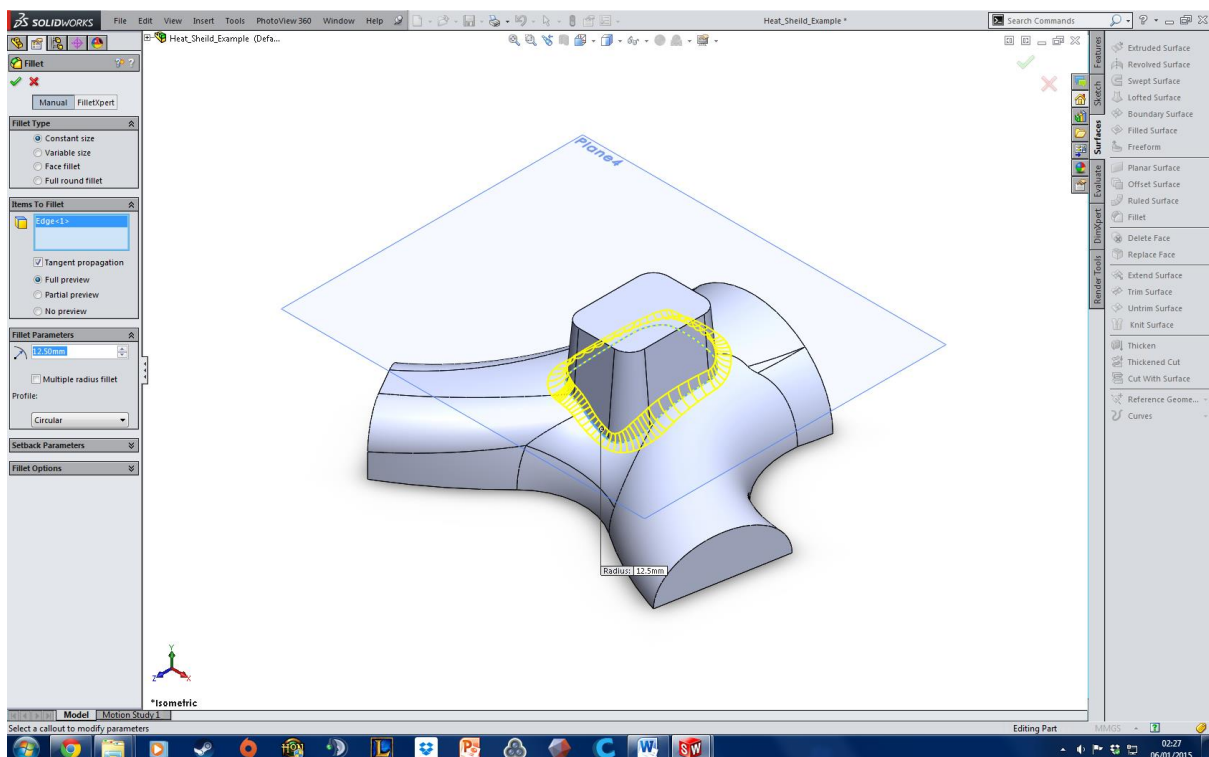


Extrude the sketch using Up to Next

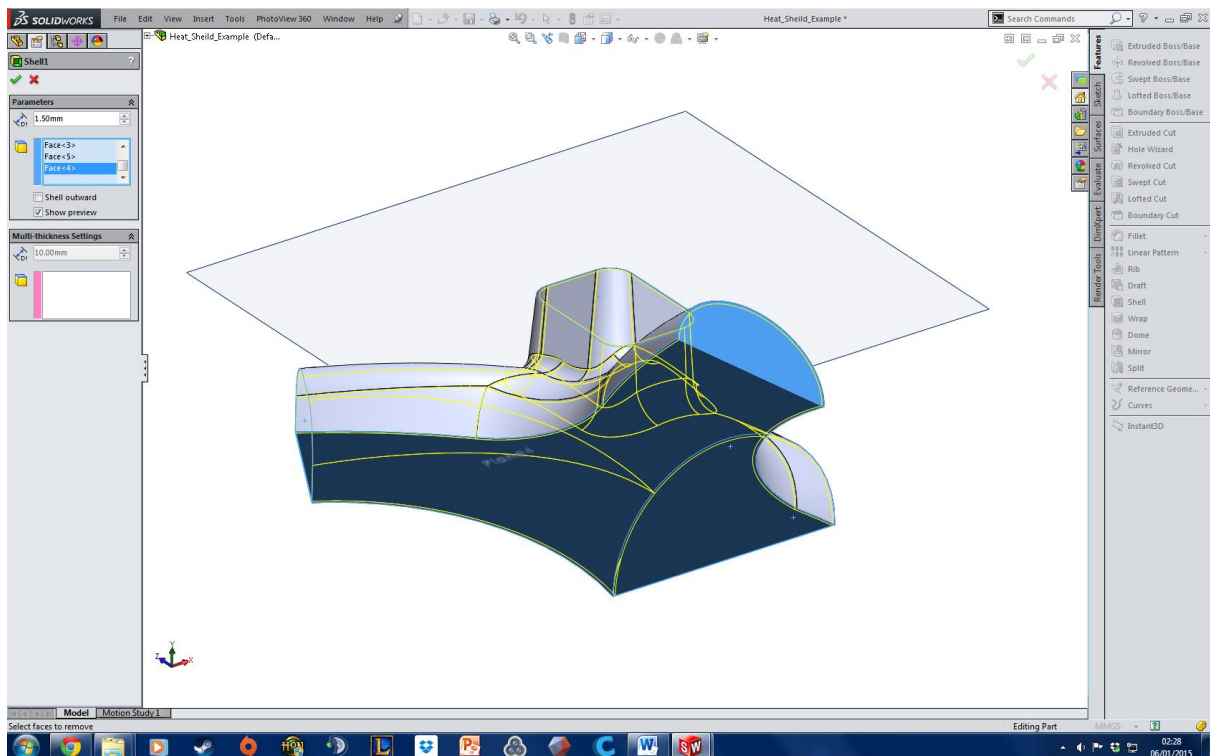
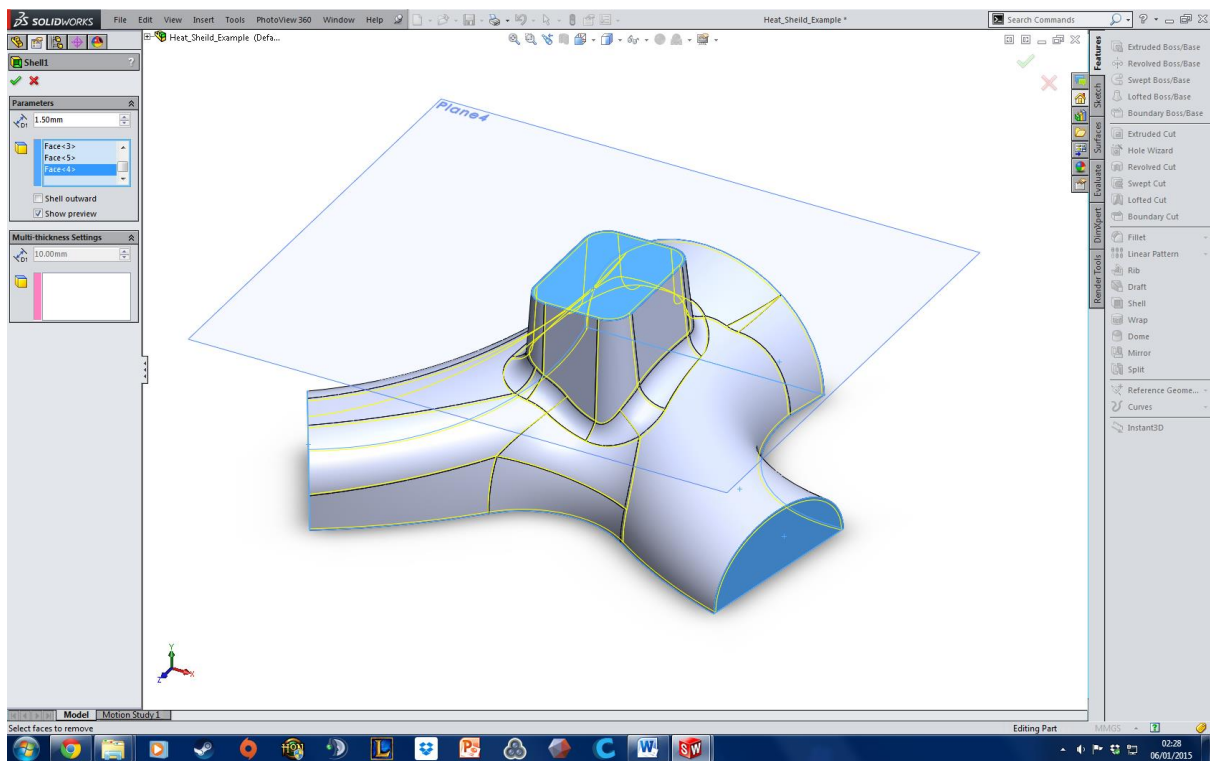
Create a draft angle of 5.00 deg outwards



Fillet the edge (shown below) by 12.50mm



Shell the component by 1.50mm (shown below)



The part should look as follows:

