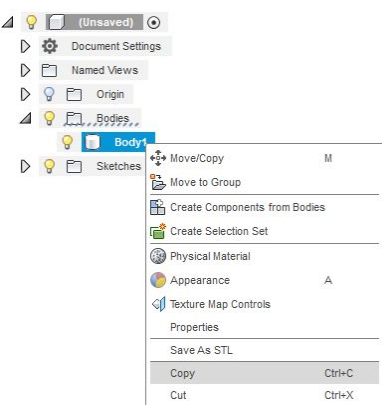
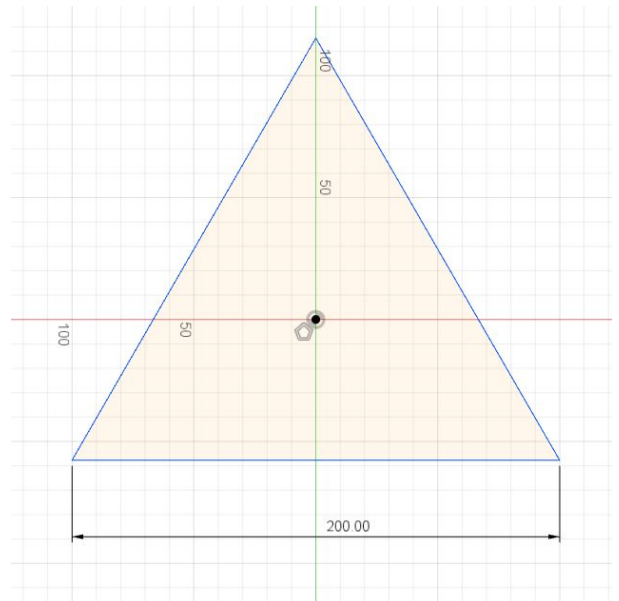
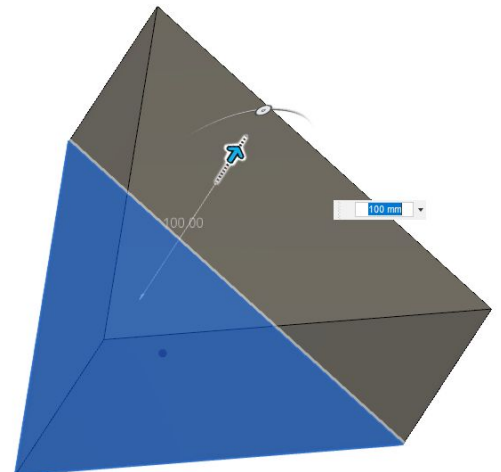


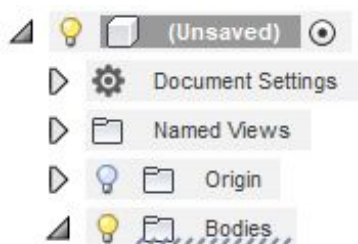
- 1) Draw a rectangle by:
 - a) **Create sketch** on one of the planes
 - b) Select **polygon** -> **circumscribed polygon**
 - c) Select origin as the center and three sides
 - d) Use **sketch dimensions** (D) to define one of the edges to 200 mm.



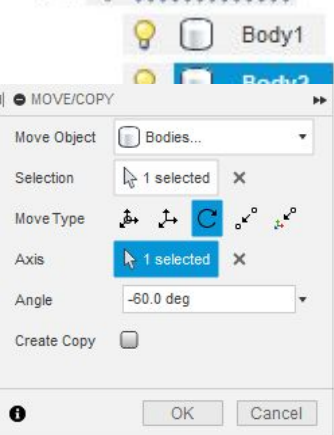
- 2) **Extrude** the triangle 100mm



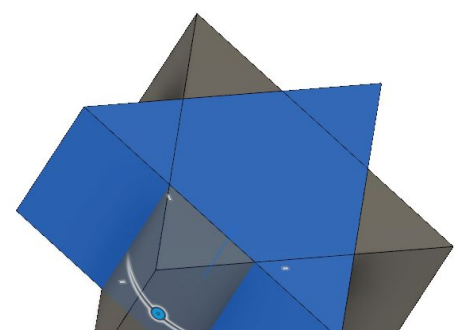
- 3) **Copy** the triangle



- 4) **Paste** (Ctrl+V). Make sure you have two bodies, by looking at the menu on the left.

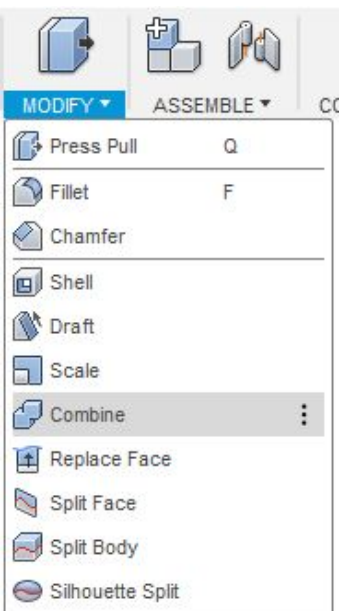


- 5) Select one of the bodies and use move.

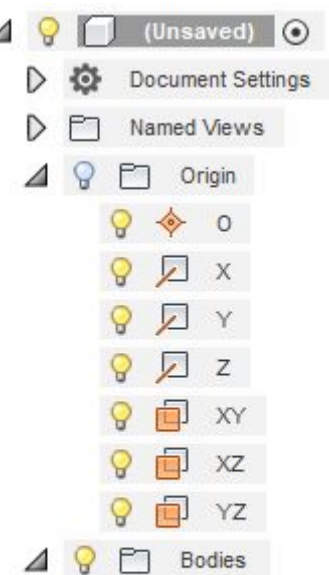
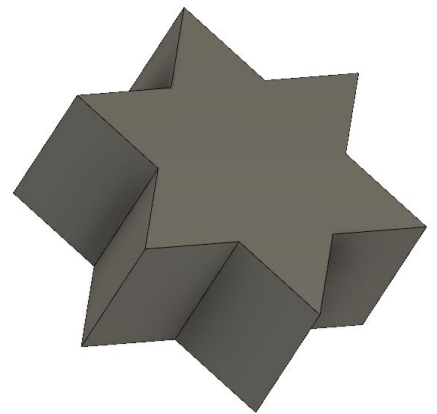


a) Set **Axis** to the axis going perpendicular to the triangle side

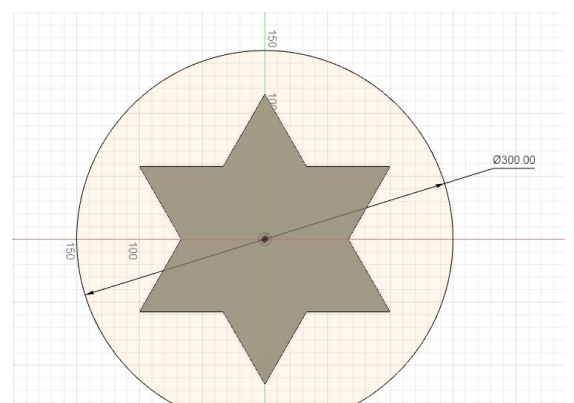
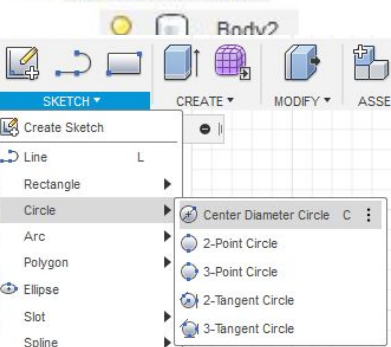
b) Set **move type** to **Rotate** og set **Angle** to 60 grader.



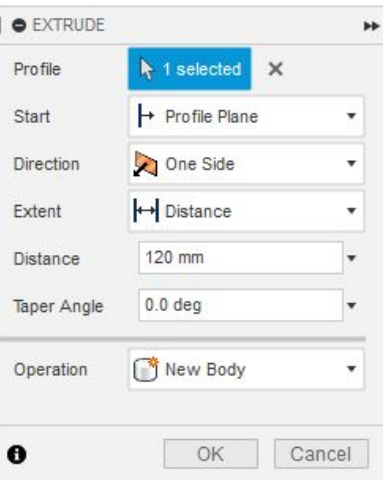
6) Press **Combine** and select the two bodies.
Now they will turn into one body.



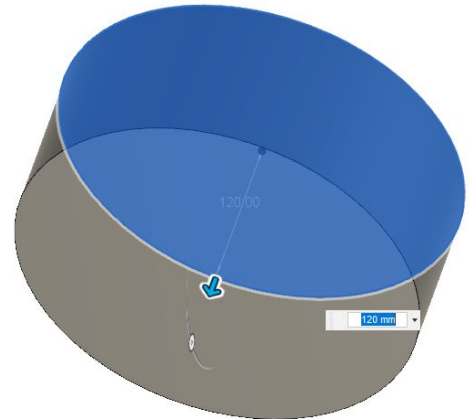
7) **Create sketch** and choose **XZ** on the menu on the left.



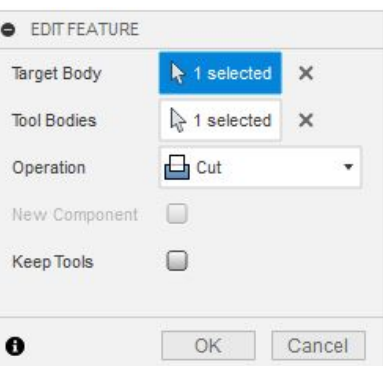
8) Draw a **Center Diameter Circle** with center in origin. Set the diameter with **Sketch dimension** to 300 mm.



- 9) **Extrude** the circle.
- Set **Distance** til 120mm.
 - Velg **operation** til **new body**.



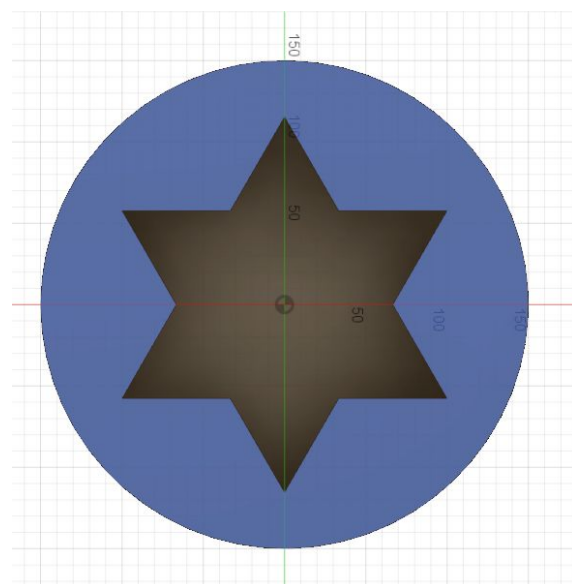
10) View it from the opposite side and notice the star still has its individual body.

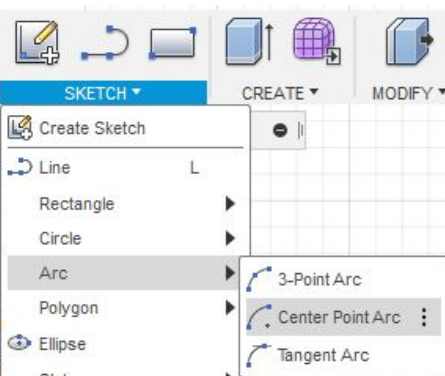


- 11) **Modify->Combine**. **Target body** is the sylinder and **Tool body** is stjerna. **Operation** to **Cut**.

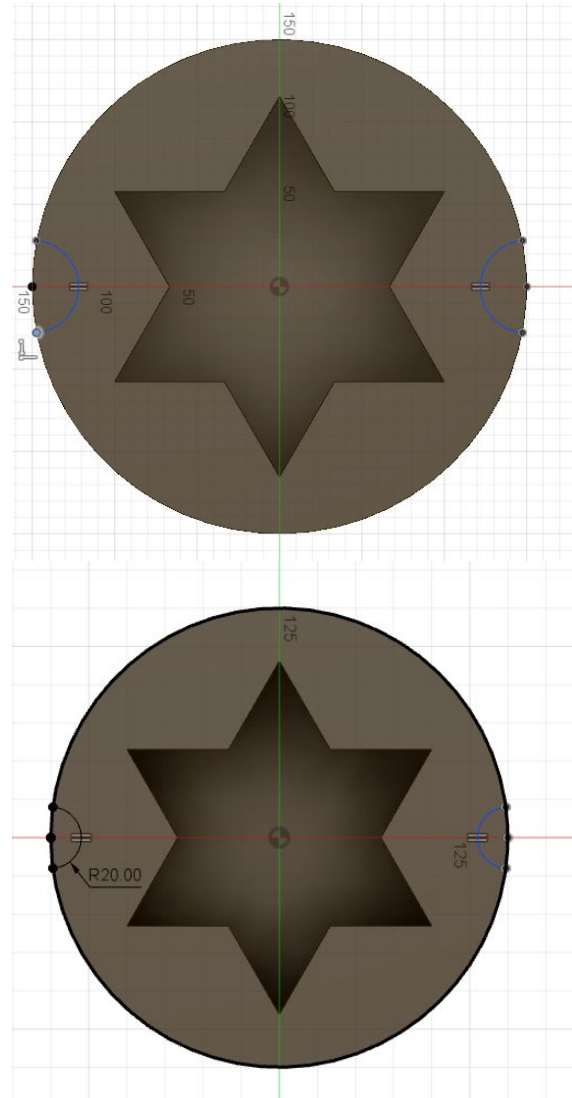


12) **Create sketch** surface of the body with the star cut





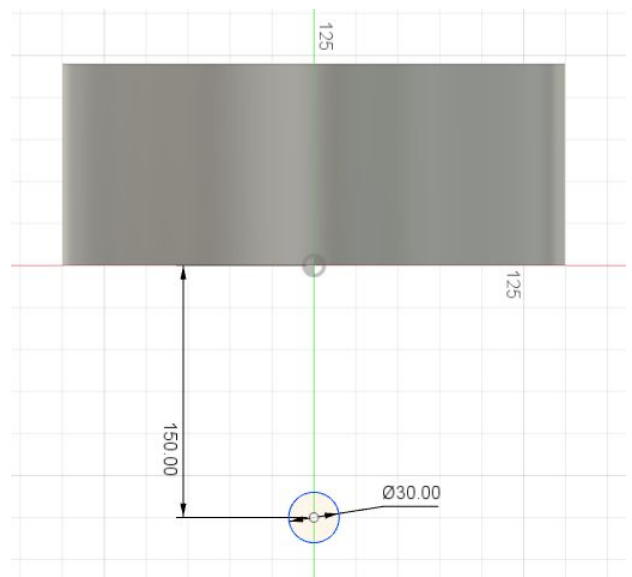
- 13) Create two **center point arc**. One on each side of the star with constraints
- Equal** each other.
 - Sketch dimensions (D)** with radiusen of the arc to 20mm



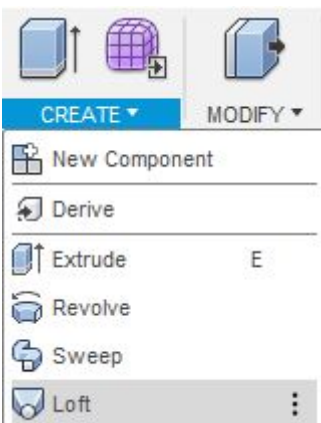
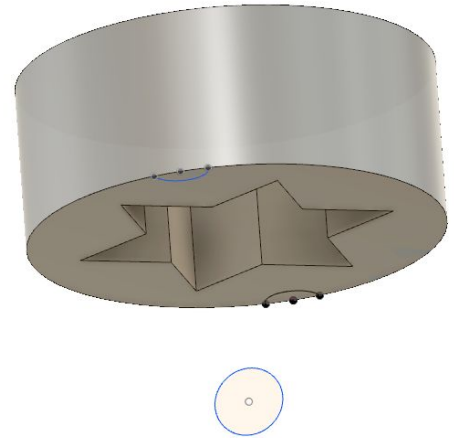
- 14) **Create sketch** in YZ-plane.

- 15) Create a **Circle** on the z-aksen and **Sketch dimensions (D)**

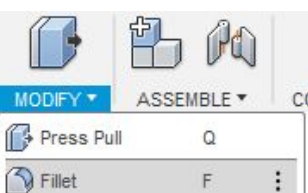
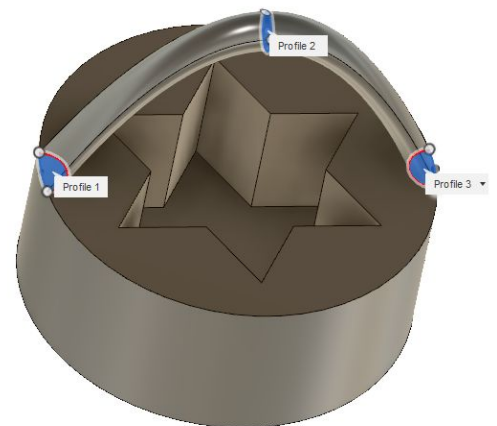
- 150mm from object to center of circle.
- diameter to 30mm



16) Make sure the circle is on the correct side



17) Use **Loft** and select the three profiles you just .



18) Lastly **Fillet** (F)

- a) 75mm under cylinder
- b) 12,5mm in the stjerna (select all the edges of the circle). Use [Ctrl]+mouse click to select any edges you may have forgotten.

