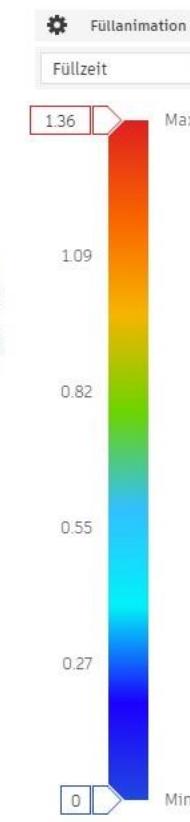
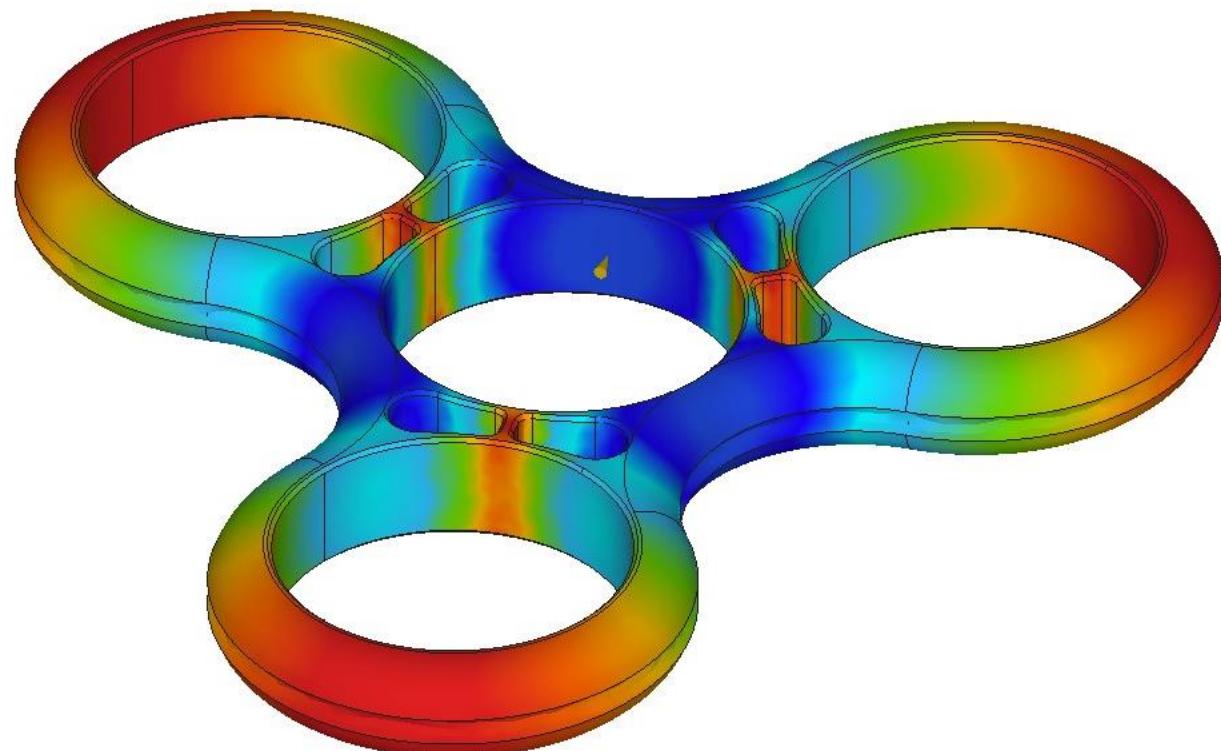
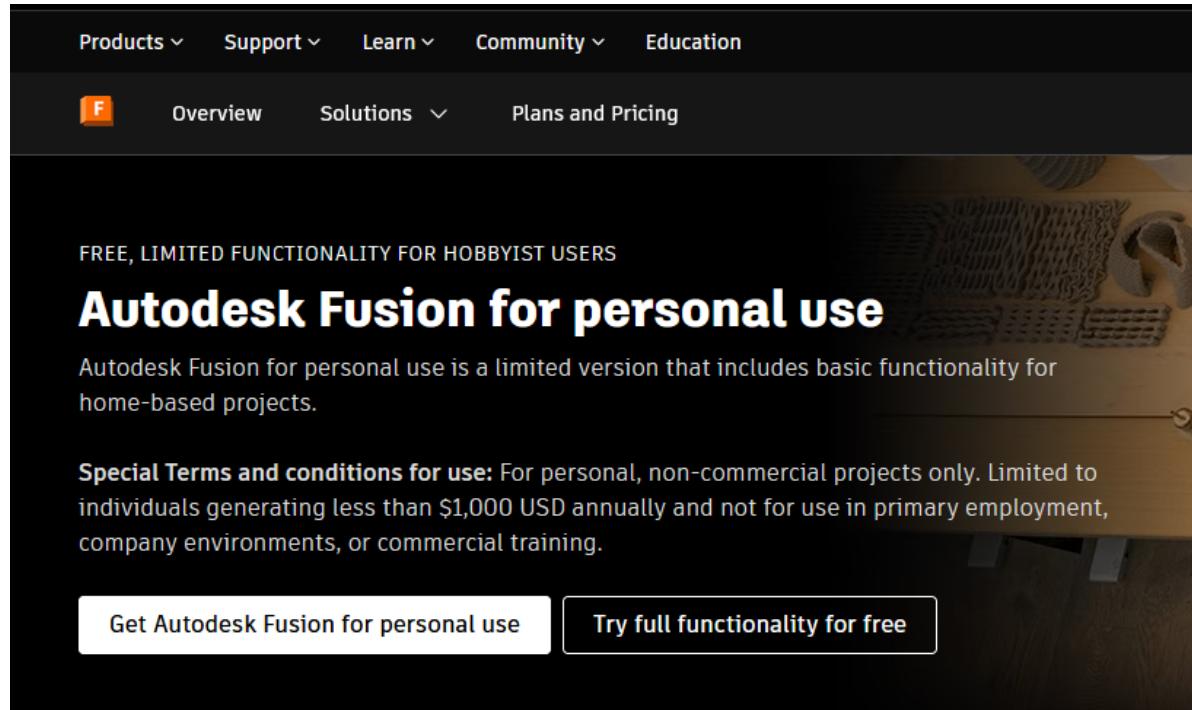


INTRODUCTION TO AUTODESK FUSION





TO GET AUTODESK FUSION



Products ▾ Support ▾ Learn ▾ Community ▾ Education

F Overview Solutions ▾ Plans and Pricing

FREE, LIMITED FUNCTIONALITY FOR HOBBYIST USERS

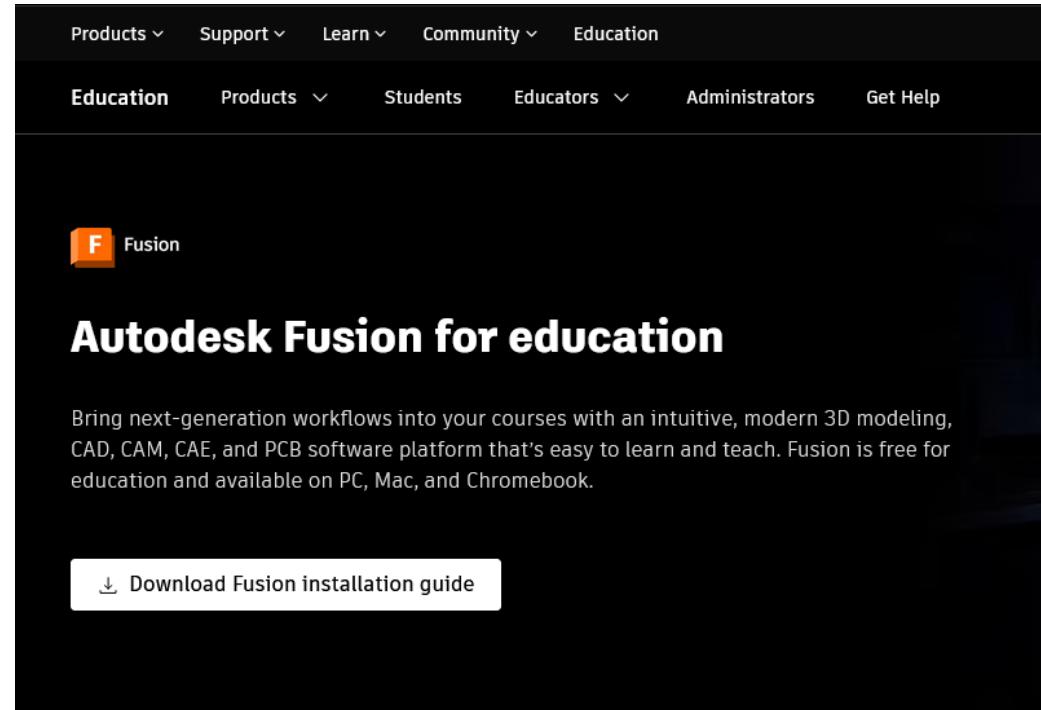
Autodesk Fusion for personal use

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- Free, limited functionality for hobbyist users



Products ▾ Support ▾ Learn ▾ Community ▾ Education

E Education Products ▾ Students Educators ▾ Administrators Get Help

F Fusion

Autodesk Fusion for education

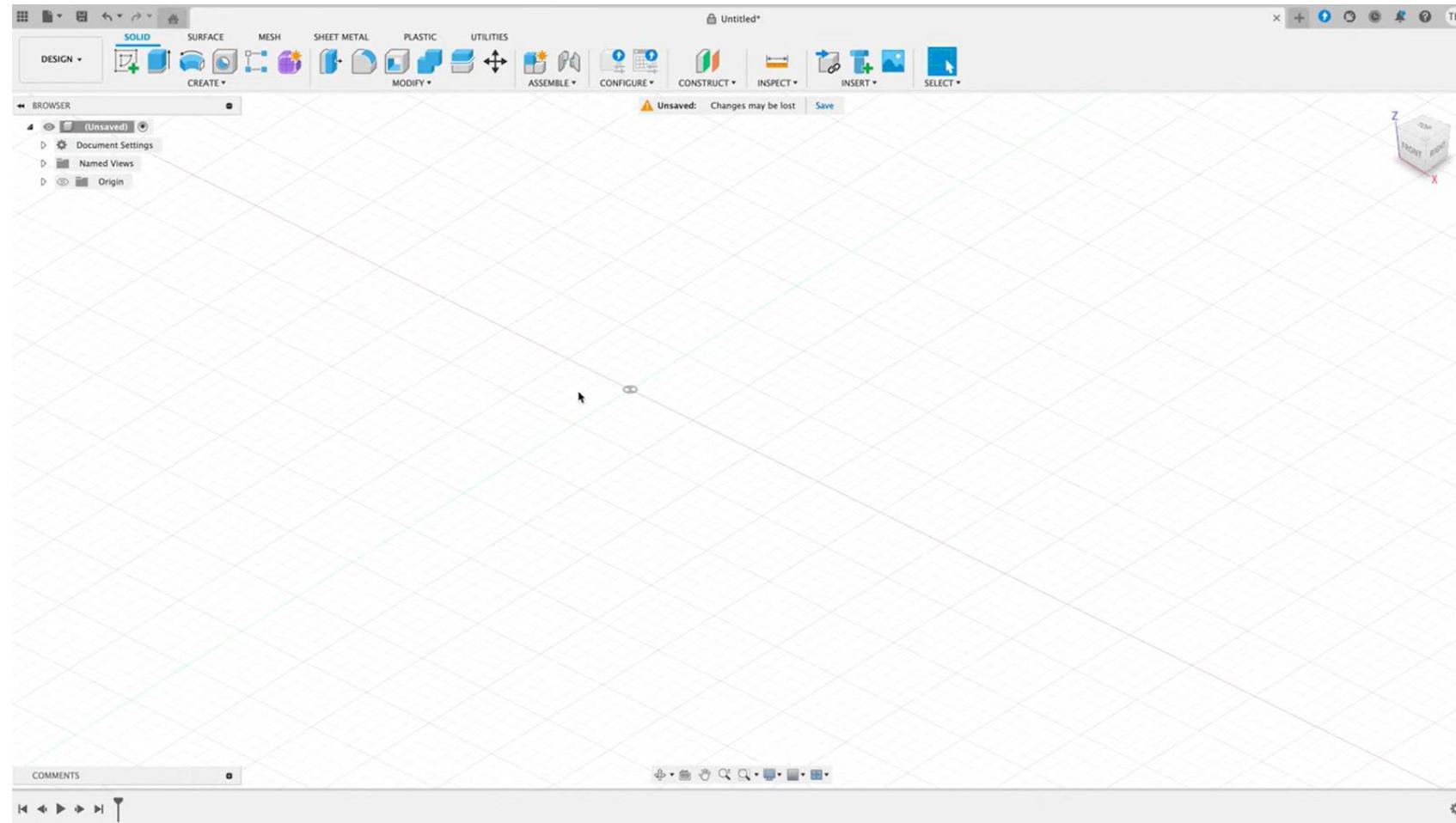
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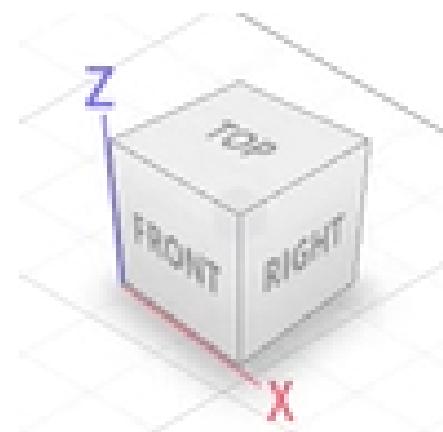


THE INTERFACE





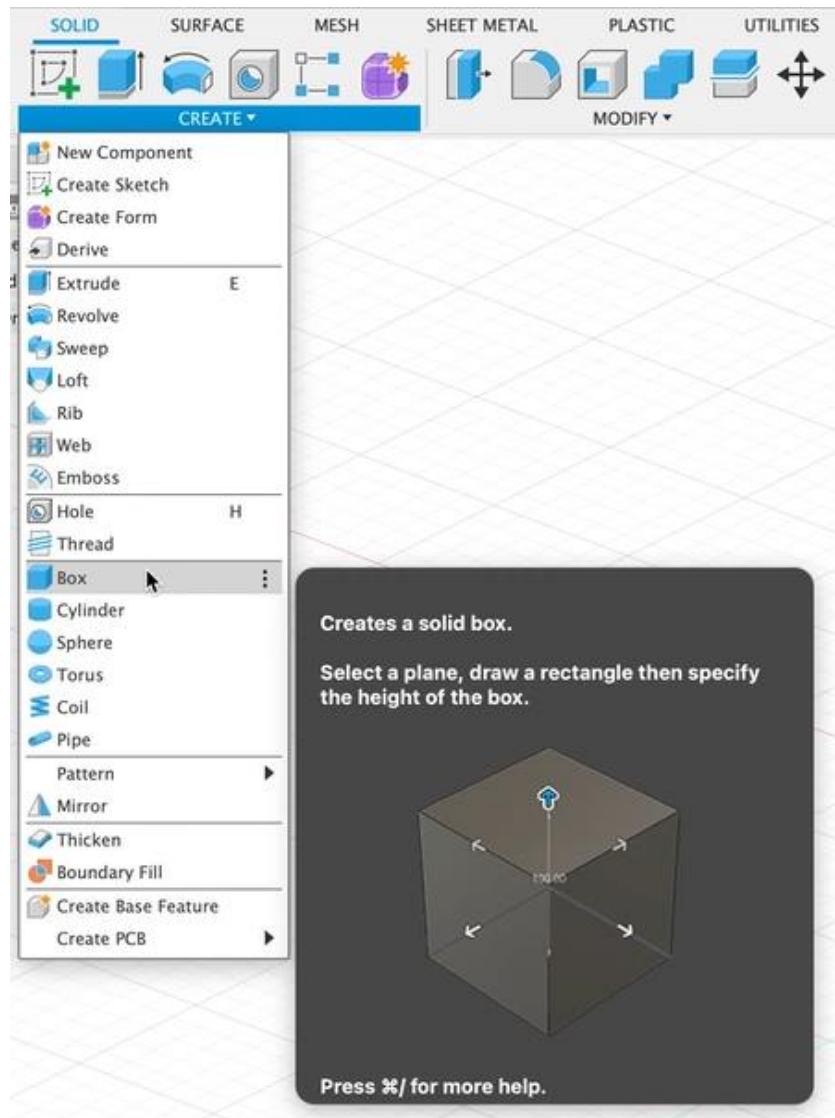
MOVING AROUND VIEWPORT



- Important to keep in mind how to navigate through the 3D view.
- Remember to use **the shift key** to rotate the view.



HOW TO CREATE A OBJECT – PREMADE SHAPE



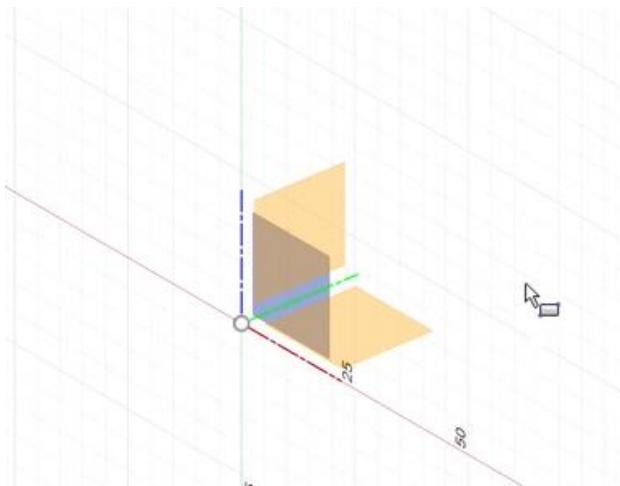
- Box
- Cylinder
- Sphere
- Torus
- Coil
- Pipe

Follow the instruction:

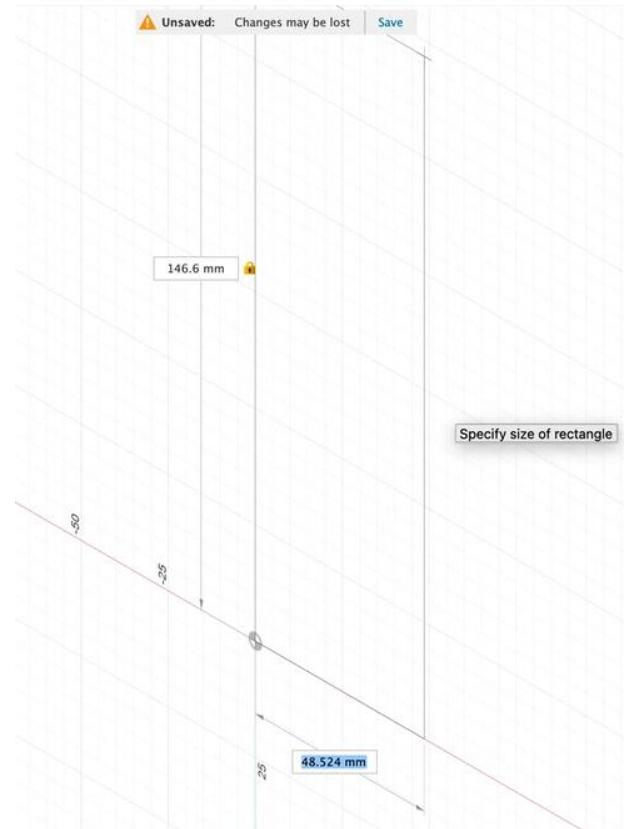
“Select a plane, draw a rectangle then specify the height of the box”



HOW TO CREATE A OBJECT – PREMADE SHAPE



1. Select a plane



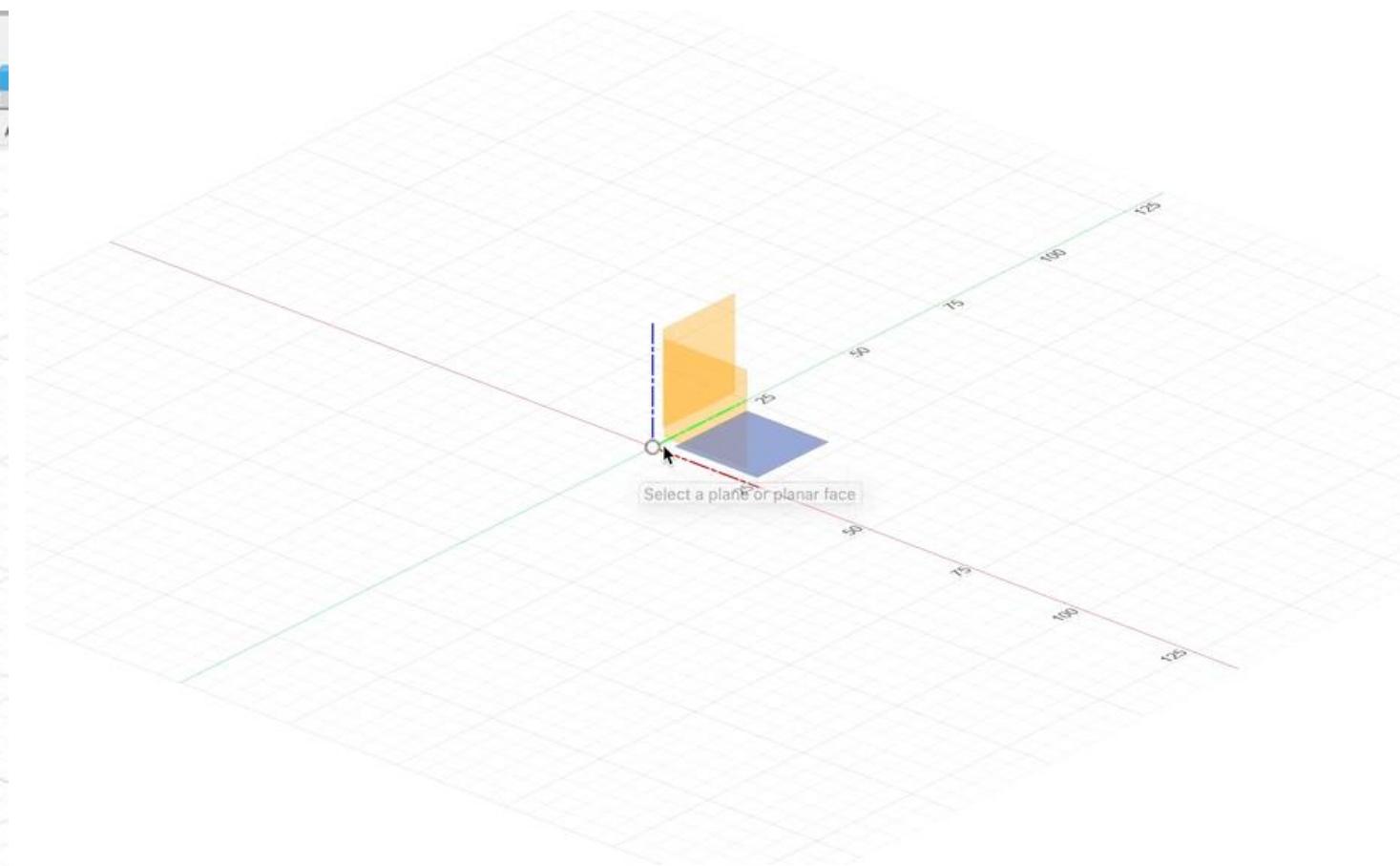
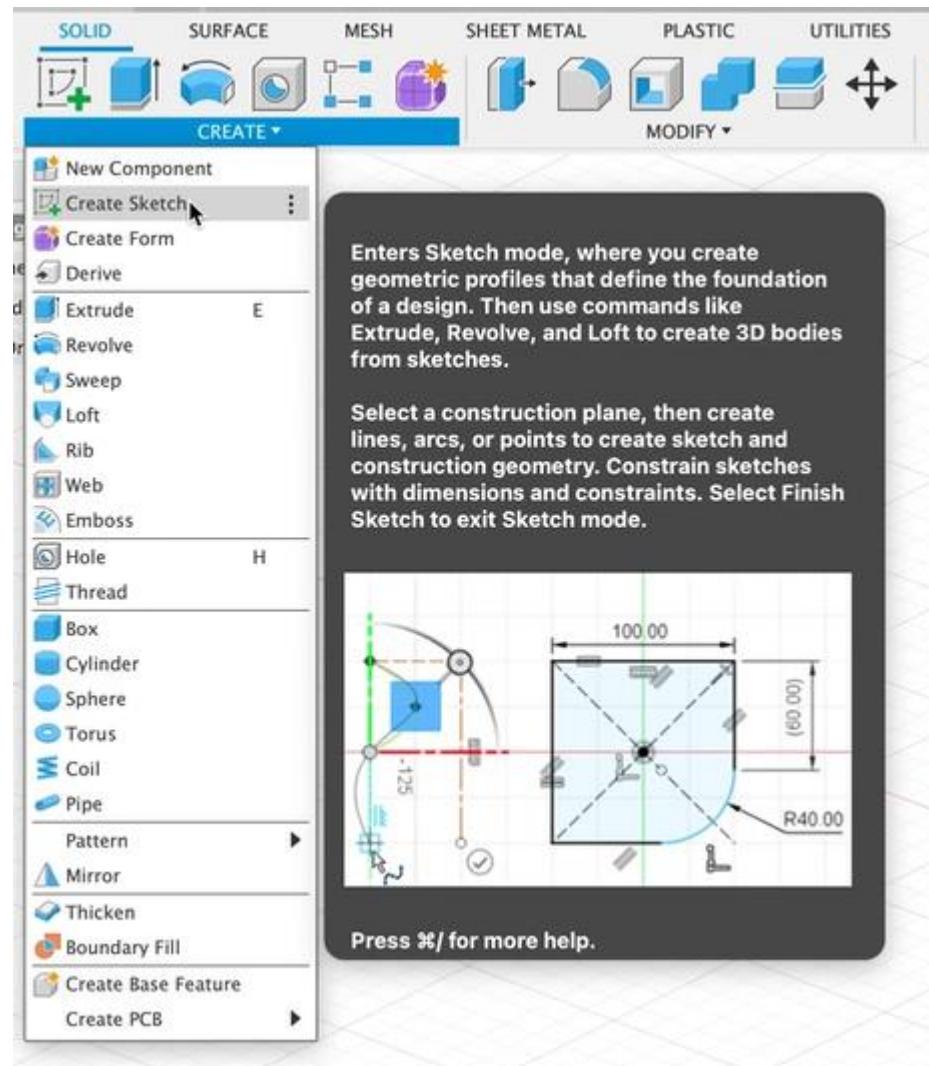
2. Draw a rectangle



3. Specify the height



HOW TO CREATE A OBJECT – CREATE A SKETCH



- Select a construction plane



CREATE A 2D SKETCH



CREATE A 2D SKETCH

SOLID



CREATE ▾

SURFACE



MESH



SHEET METAL



PLASTIC



MODIFY ▾

Design 1 v1

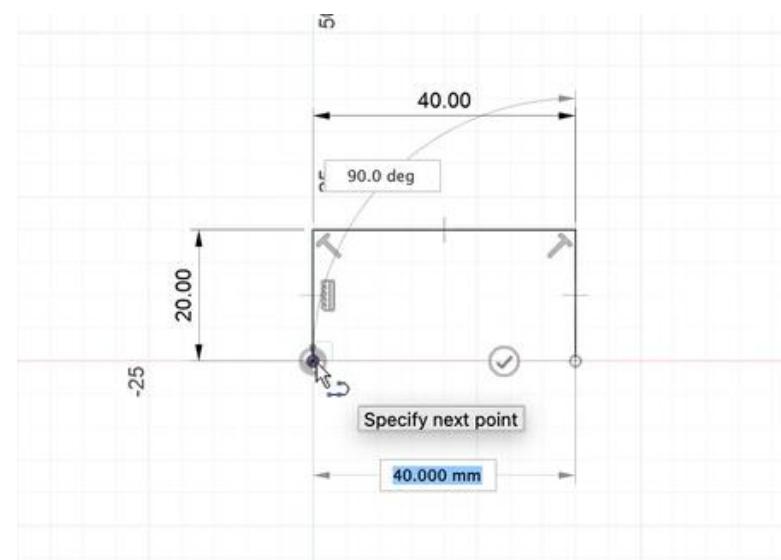
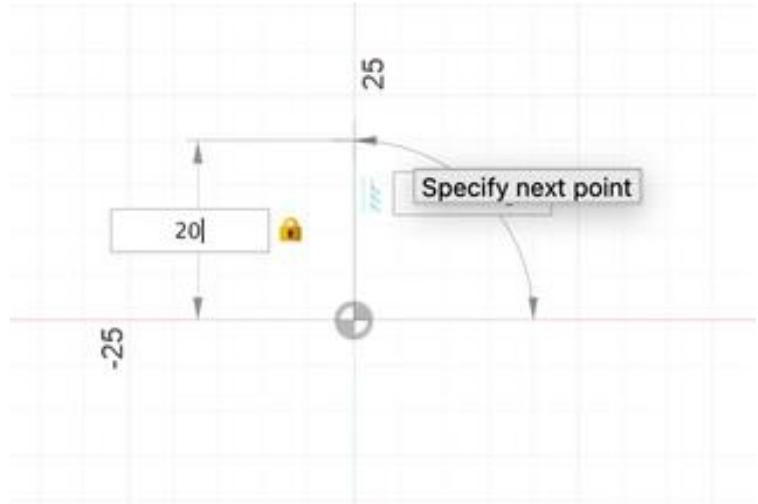


Current Settings

Views



CREATE A BOX

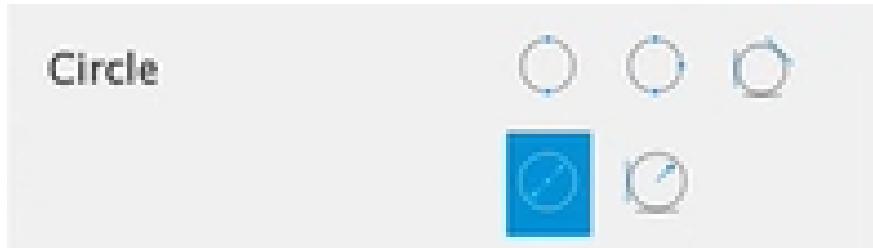


- Click on the  tool or press “L”
- A start point
- A distance/angle or next point

- Do it multiple time and we can get a closed shape



CREATE A CIRCLE



- Various way to draw a circle

Center Diameter Circle

Two-Point Circle

Three-Point Circle

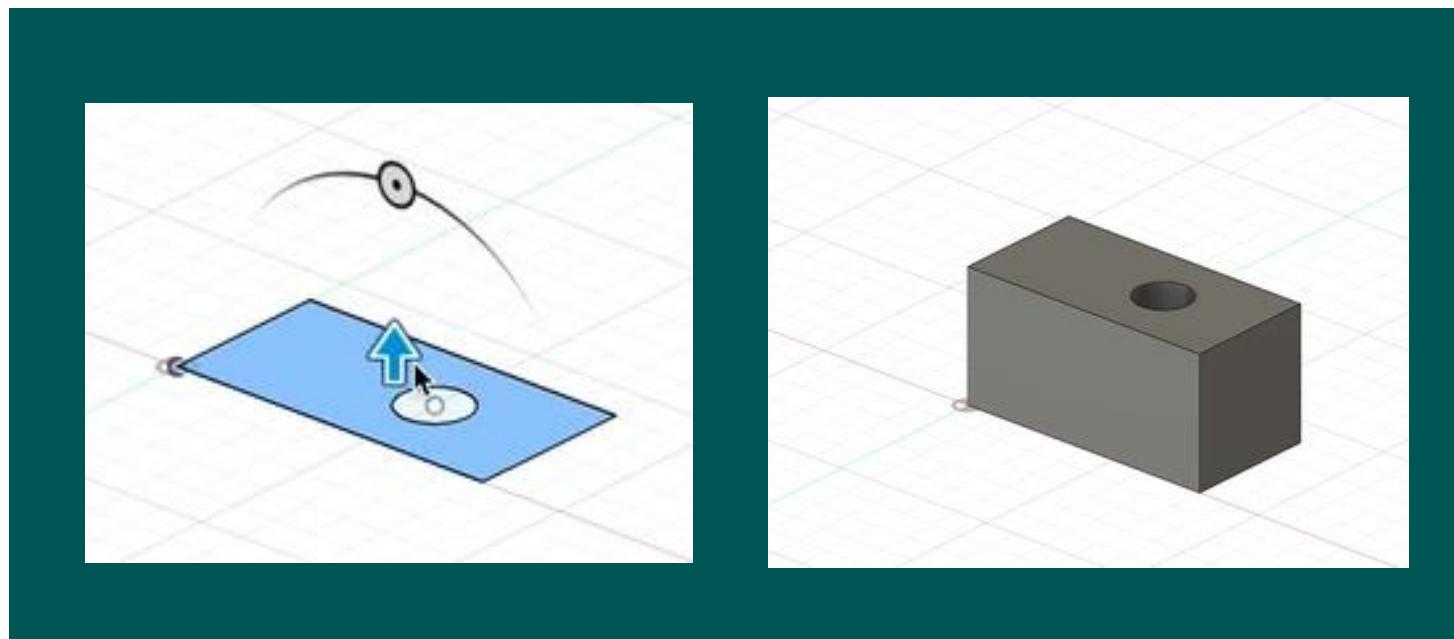
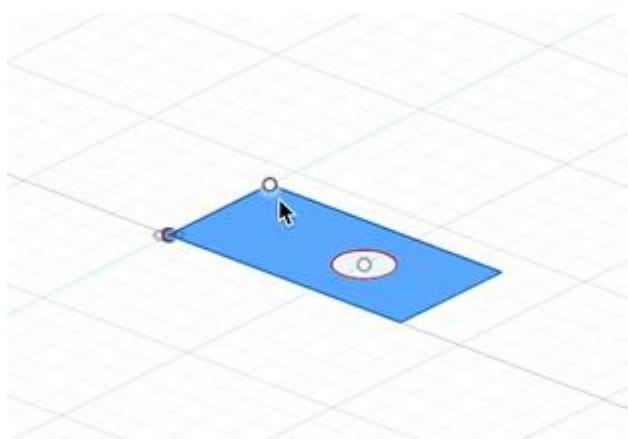
Tangent Circle



- Most common one: center diameter circle



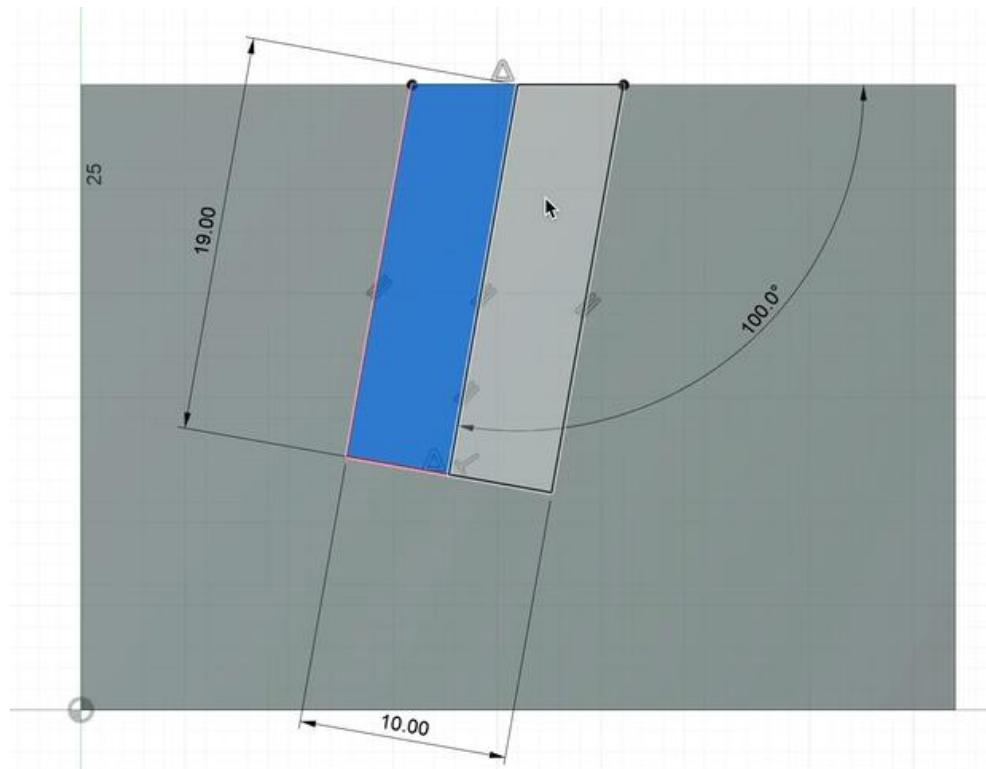
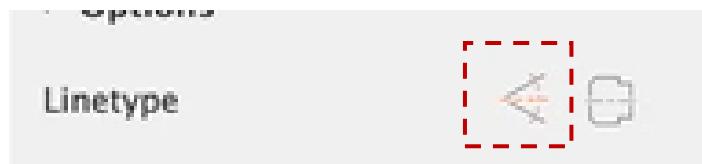
USE THE EXTRUDE TOOL



- Extrude



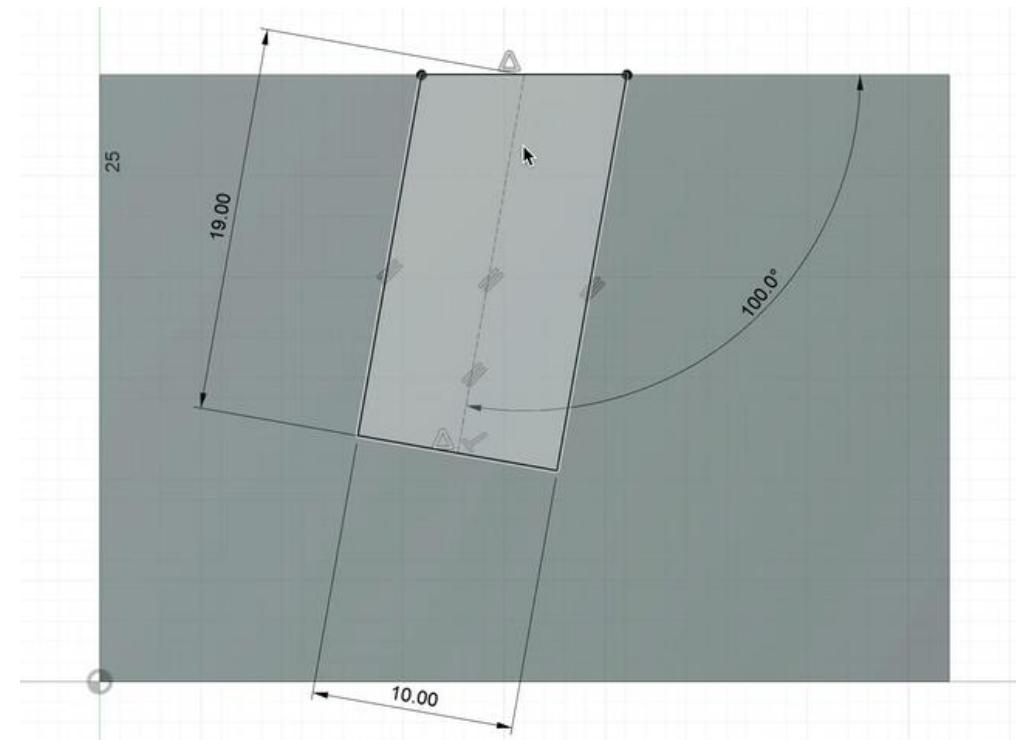
CONSTRUCTION LINE



A solid line separating the rectangle into two rectangles



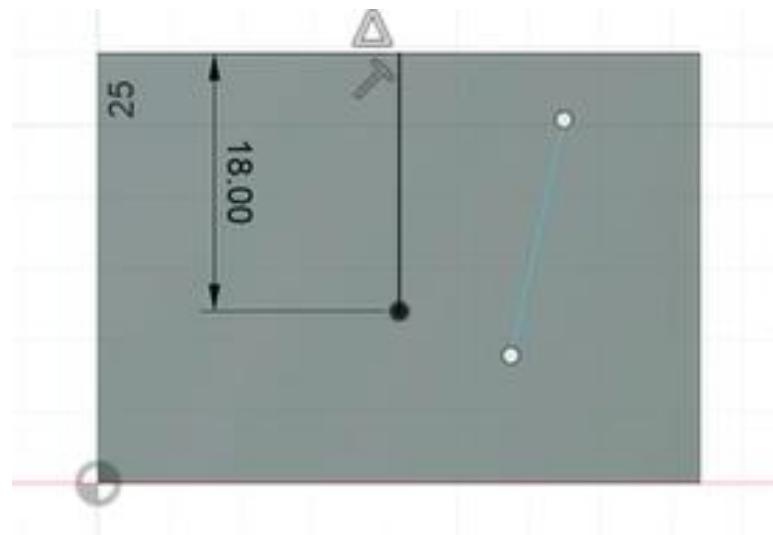
Changing the center line into a construction line



A construction line in the middle but the shape as a whole



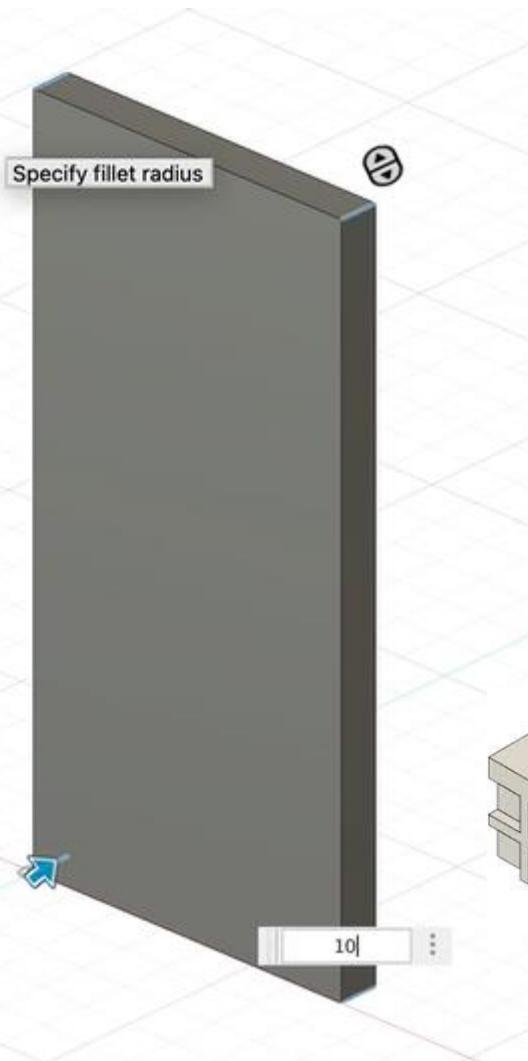
CONSTRAINTS



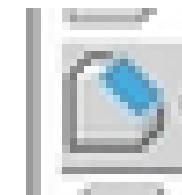
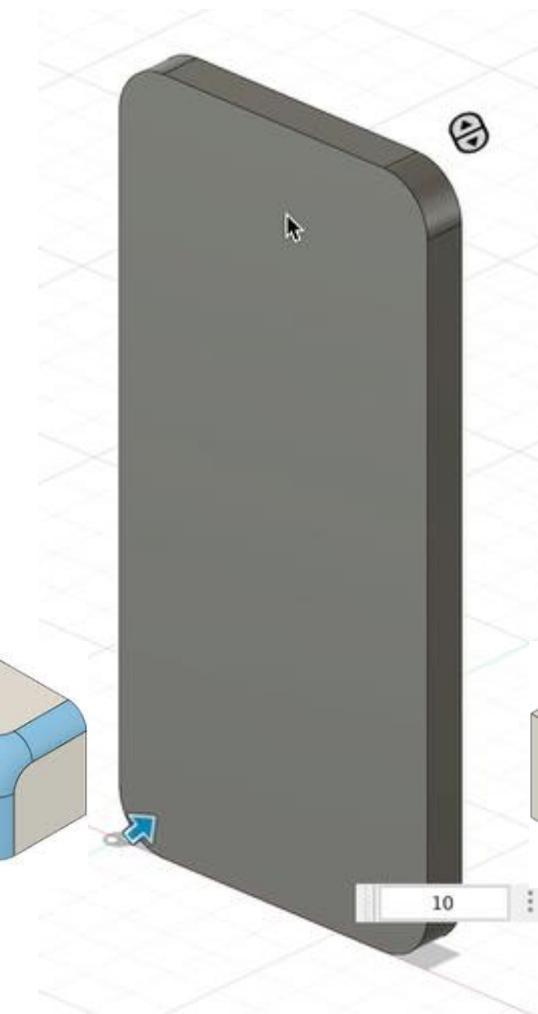
- Black line: constrained line
in this case: a perpendicular constraint and a midpoint constraint
- Blue line: free line
- Always have your sketch constrained!



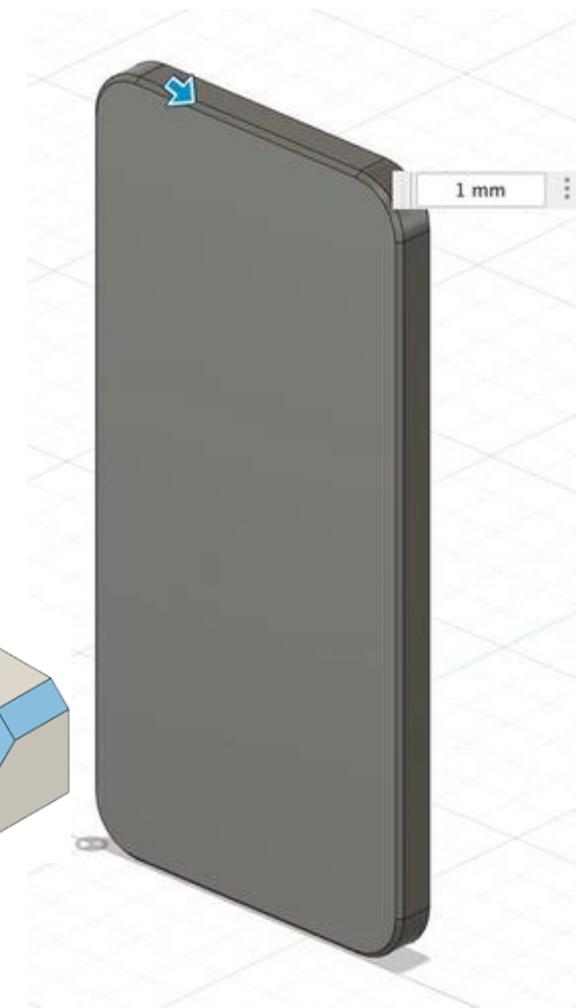
FILLET AND CHAMFER



Fillet

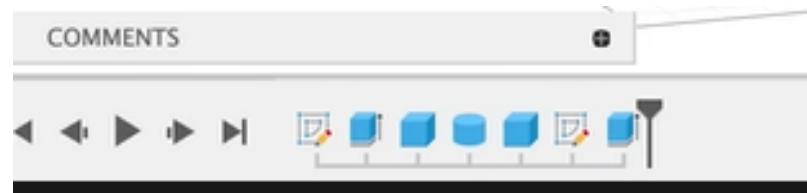


Chamfer



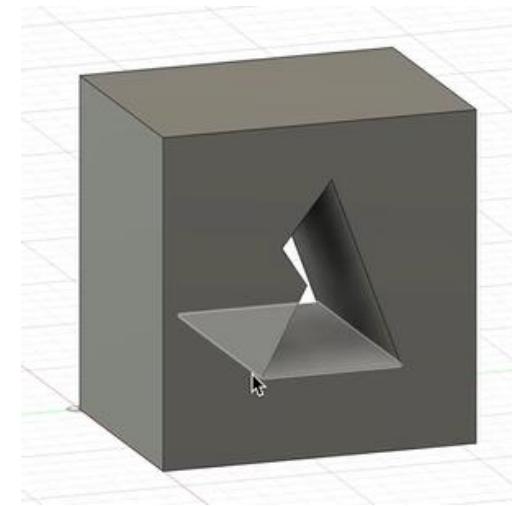


TIMELINE

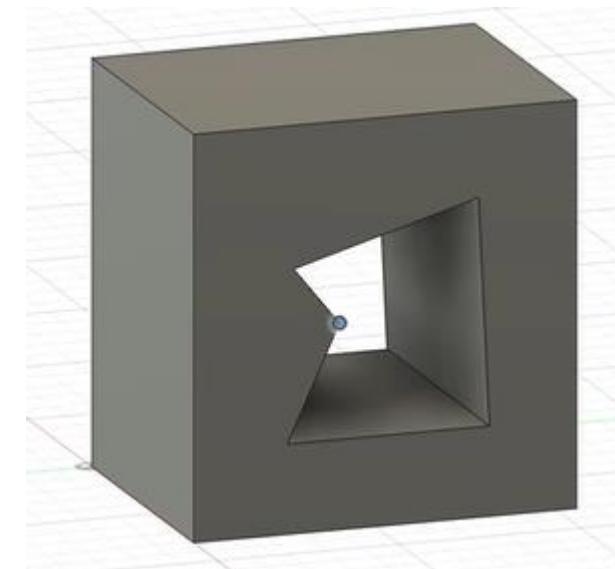
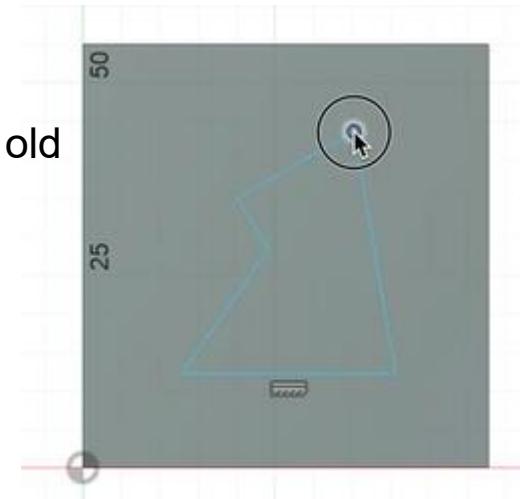


- Bring you back to specific actions

You can easily change the dimensions you set before and have the final results change as well



Go back to a old sketch action



The final shape is also changed



WHERE YOU CAN GET NICE 3D PRINTABLE MODELS

Printables 3D Models Store Clubs Community Contests Brands Events Groups

Flash Contest:
Hercules: Custom DJ Knobs
End: December 14, 23:59 GMT
[CONTEST PAGE](#)

Featured Models

- Paul** @Paul_318082 Stackable Bottle Holder (Update 1)
- John Wayne** @JohnWayne_287636 Furniture hinge repair plate
- SASSy Design** @SASSyDesign Sand Dune Wall Decor - Simple house interior...

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