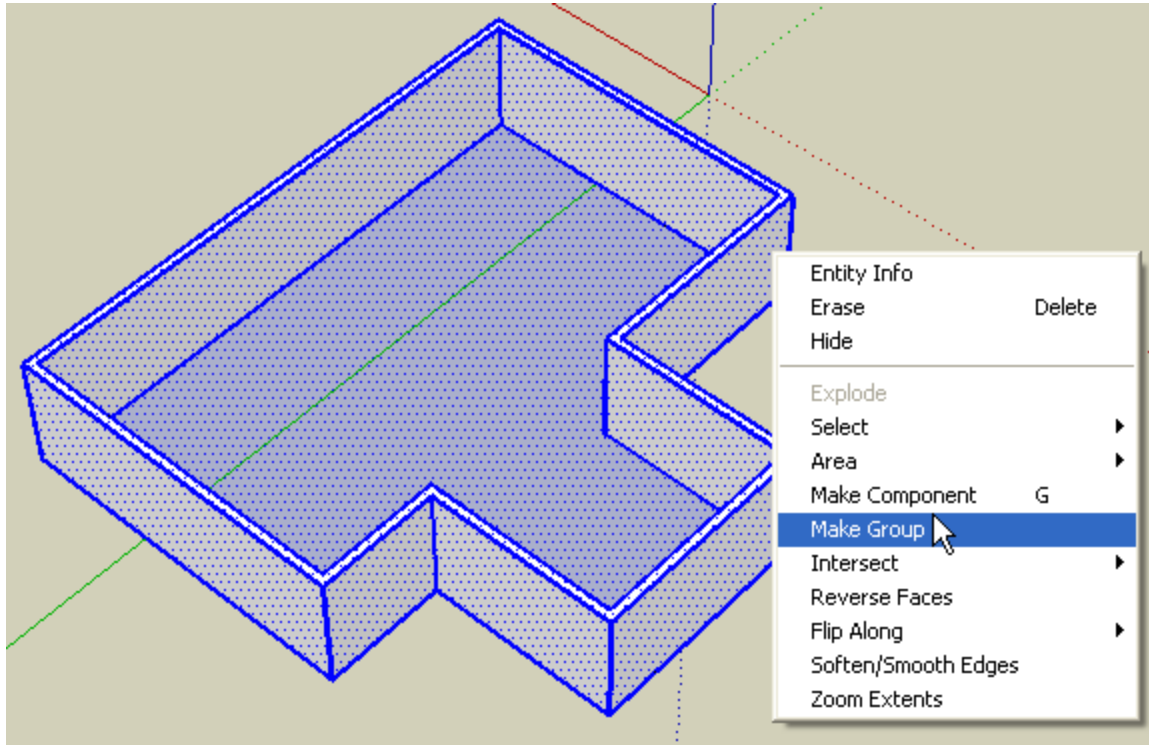
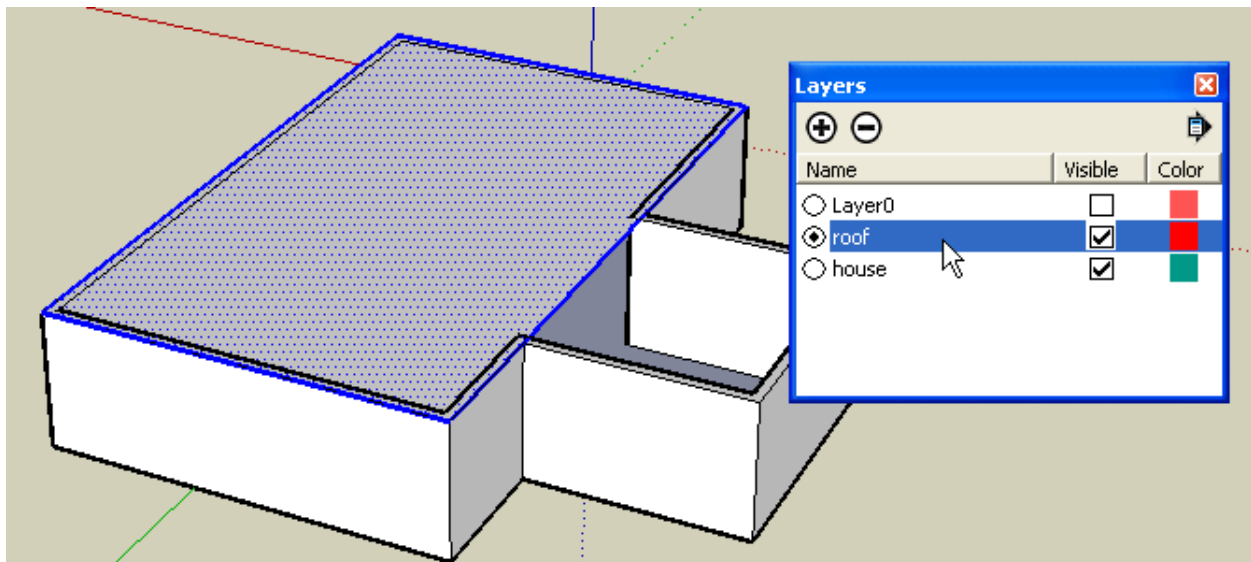


Roofs

Right click and make your building a group:



Draw with the pencil or rectangle tool, part of the roof:



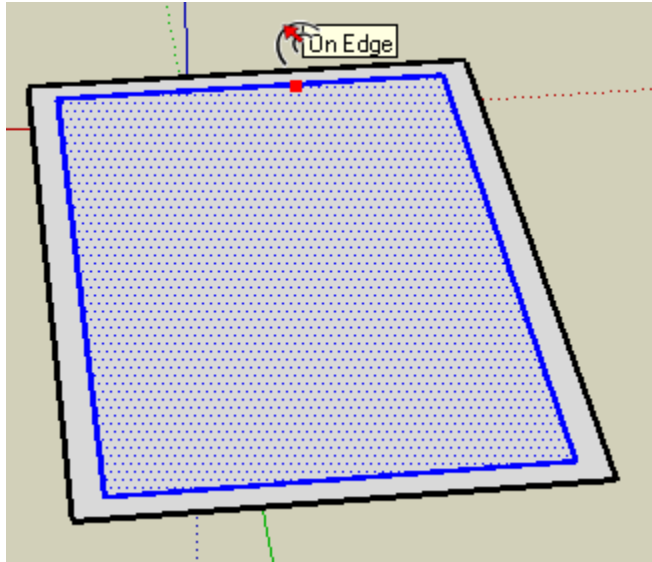
Note --Parapets

If you wanted a flat roof with a parapet, you could at this time simply push pull up a side around the roof. We are not doing that now, so let's move on.

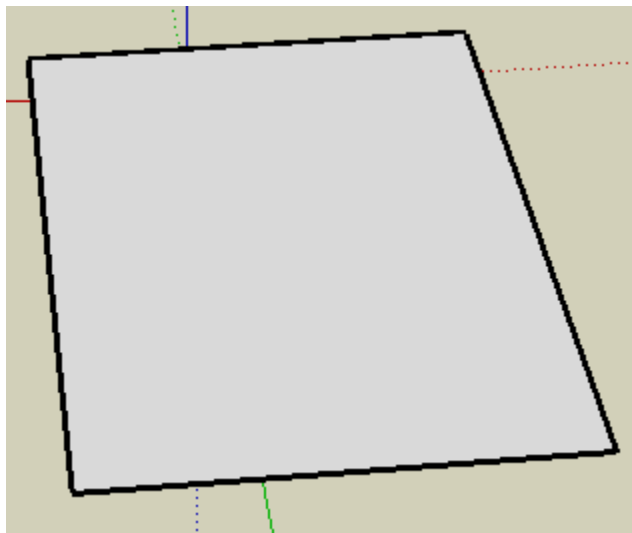
Right click/hide the house, or turn off a layer.

Eave

Use the offset tool to make an eave 3 feet out from the original size:

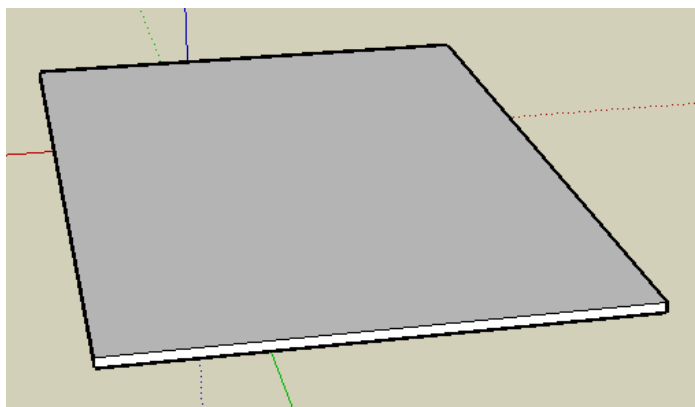


(Double click the center part if not already selected)
Delete the inner portion with the delete key or eraser:



Fascia

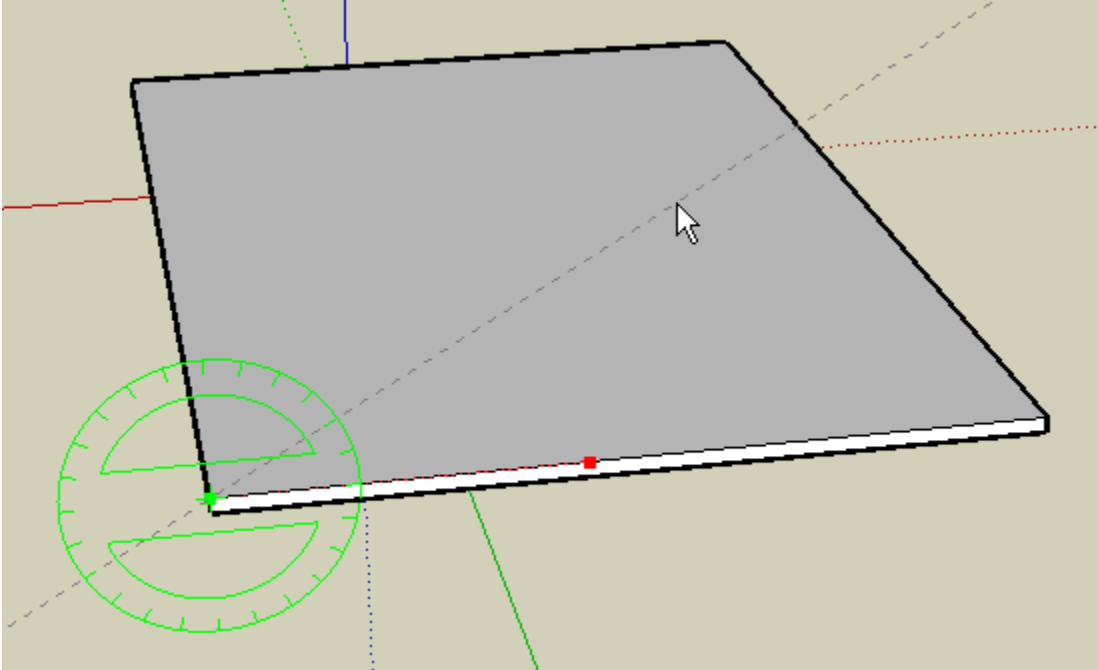
Pull up with push/pull about 8 inches:



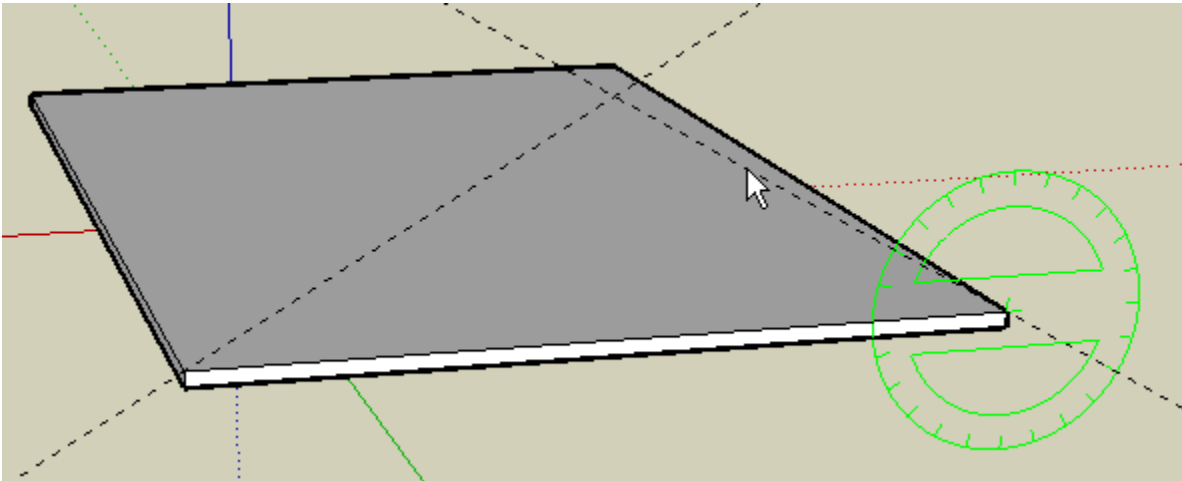
Use the **protractor** to set a guide to 30 degrees ...



(NOT the rotate tool)

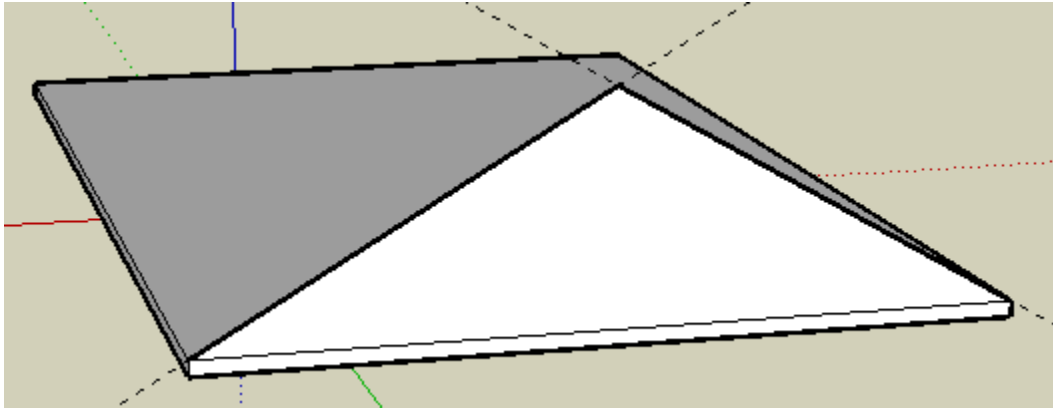


Make another on the other side:

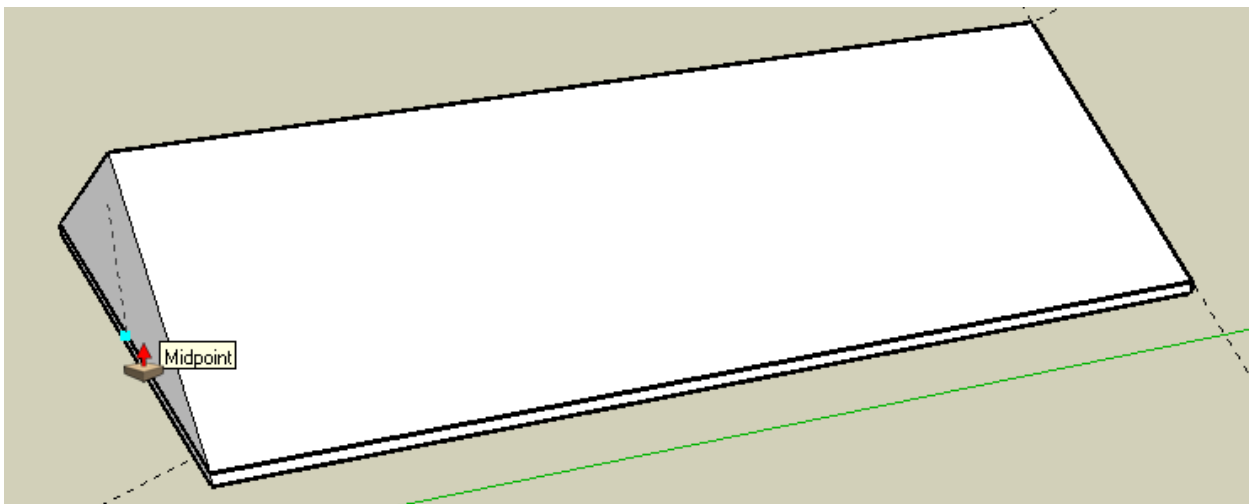


Gabled roof

Draw the shape:

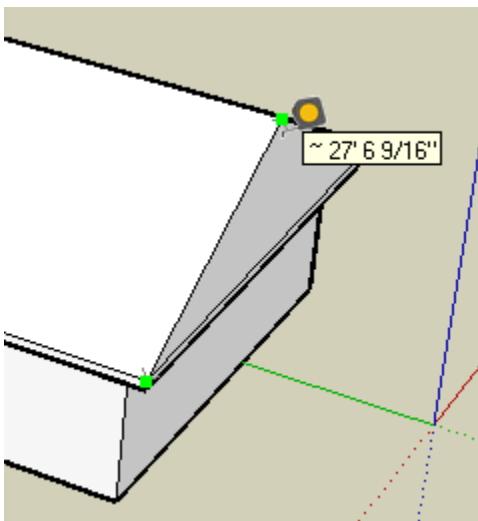


Push pull:



Hip Roof

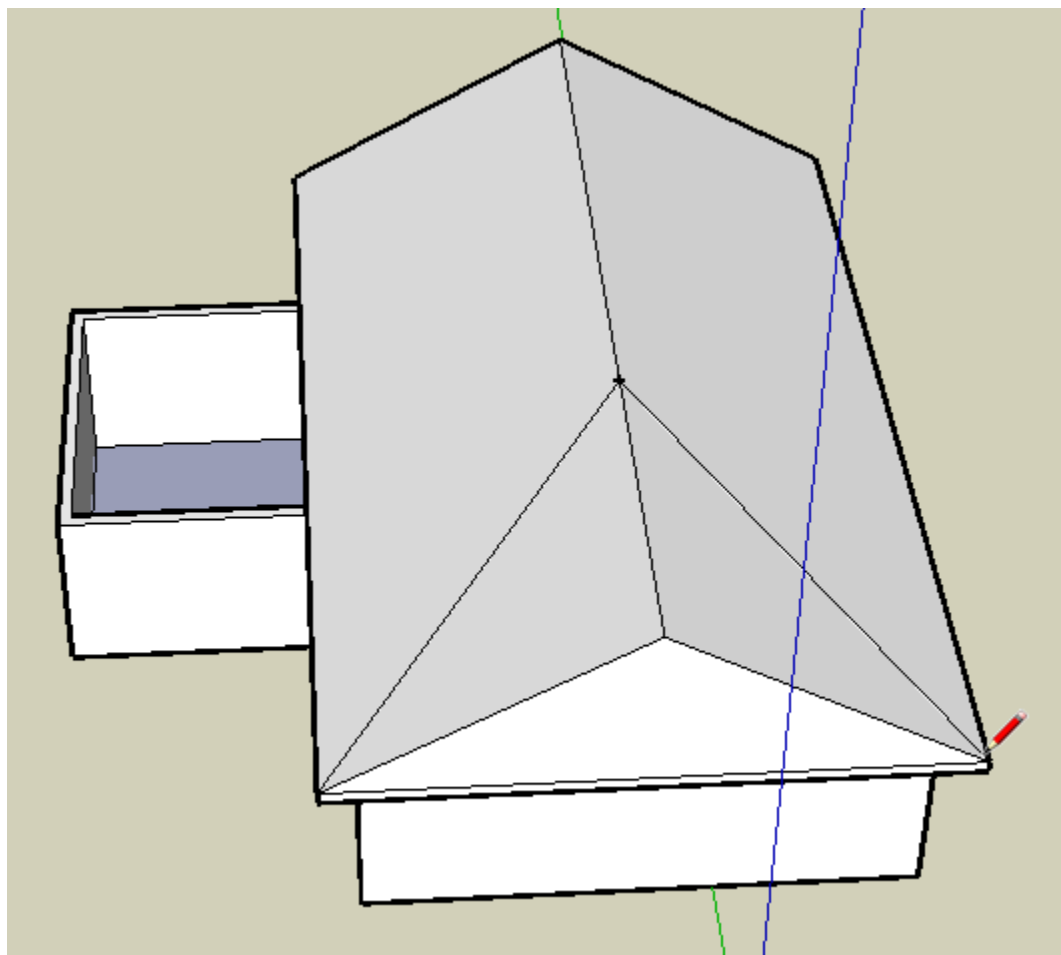
Measure the length of the roof angle:



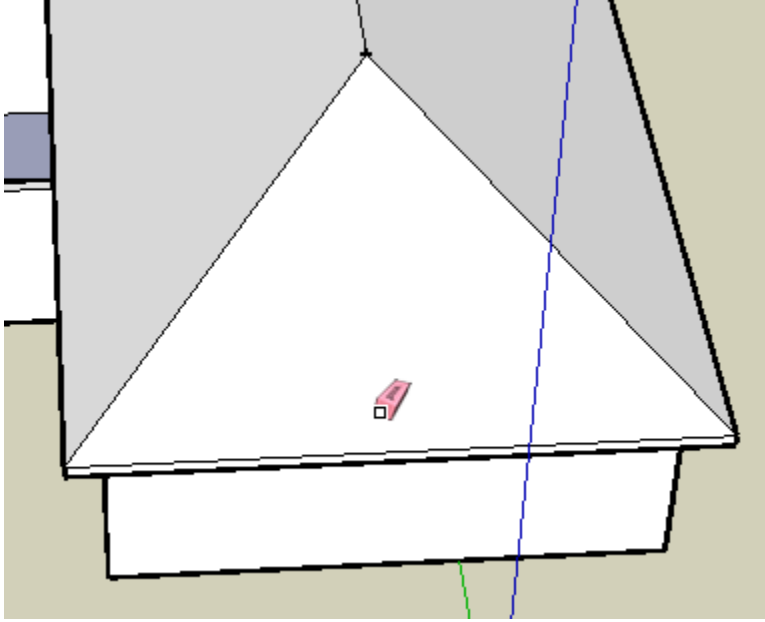
Then, measure back that distance and put a guide marker on the roof
(Close enough)



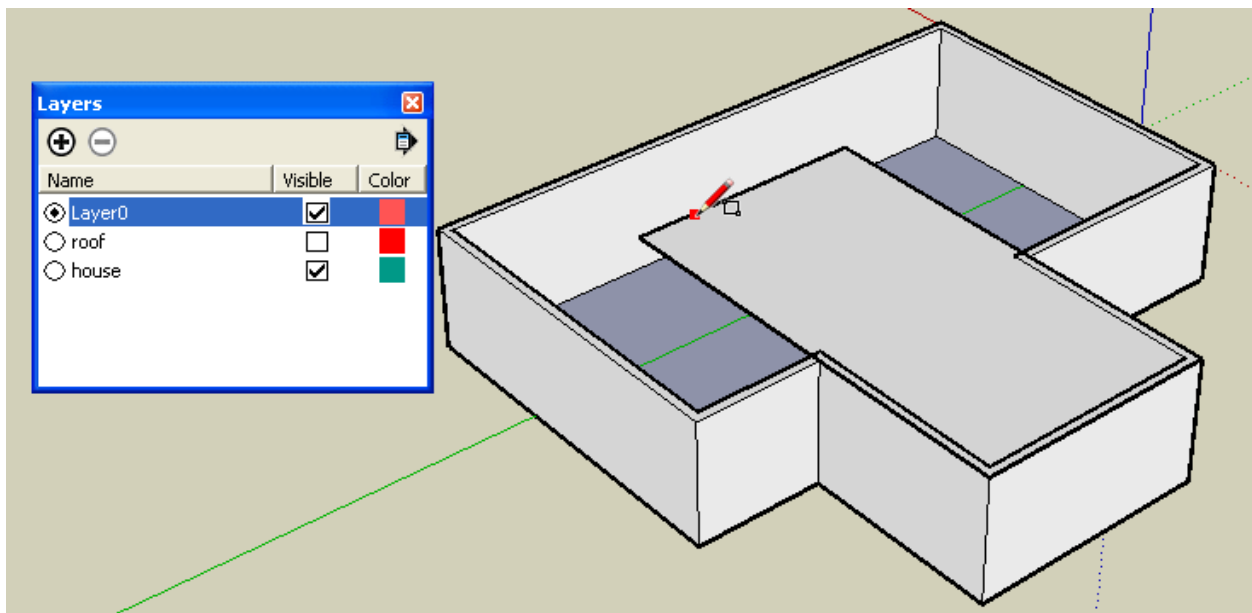
Draw these lines ...



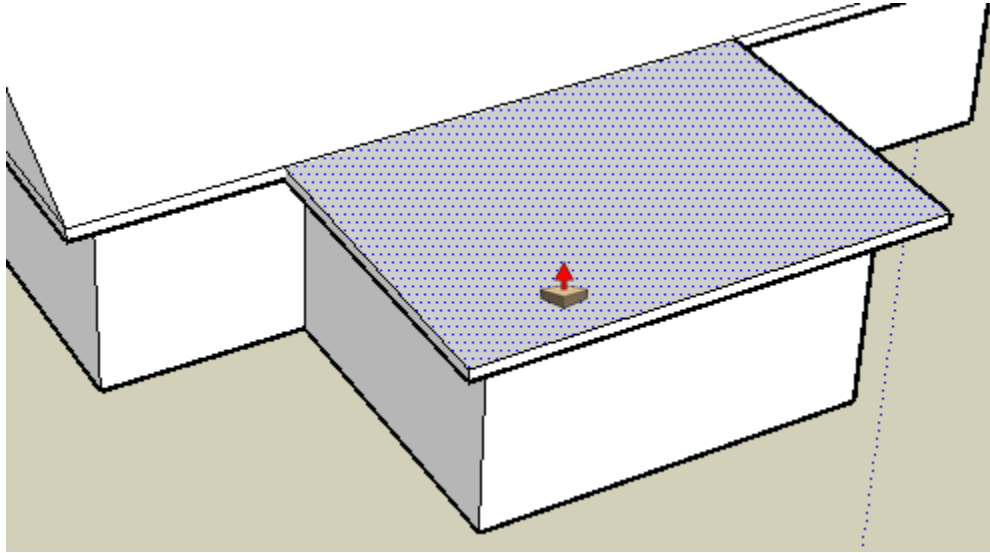
Erase lines ...
(Don't forget to erase the little guide marker at the peak)



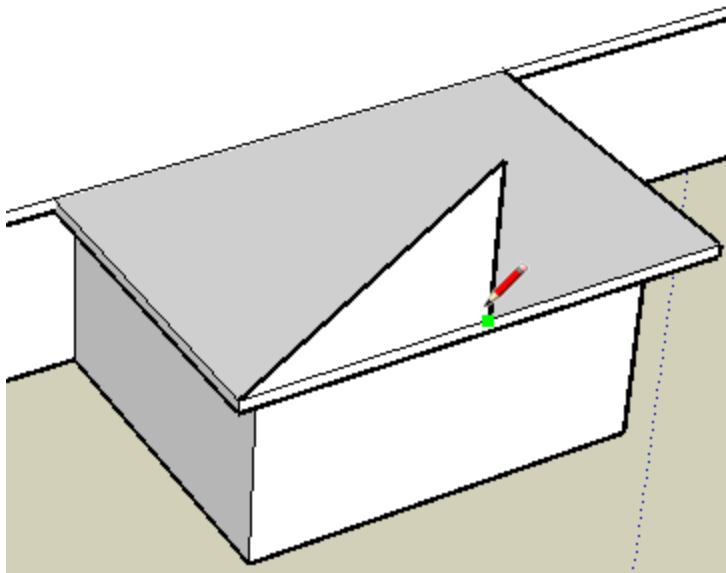
Making another part of a complex roof ...
(I am hiding object or layers I don't want to see, as part of a normal work flow ...)



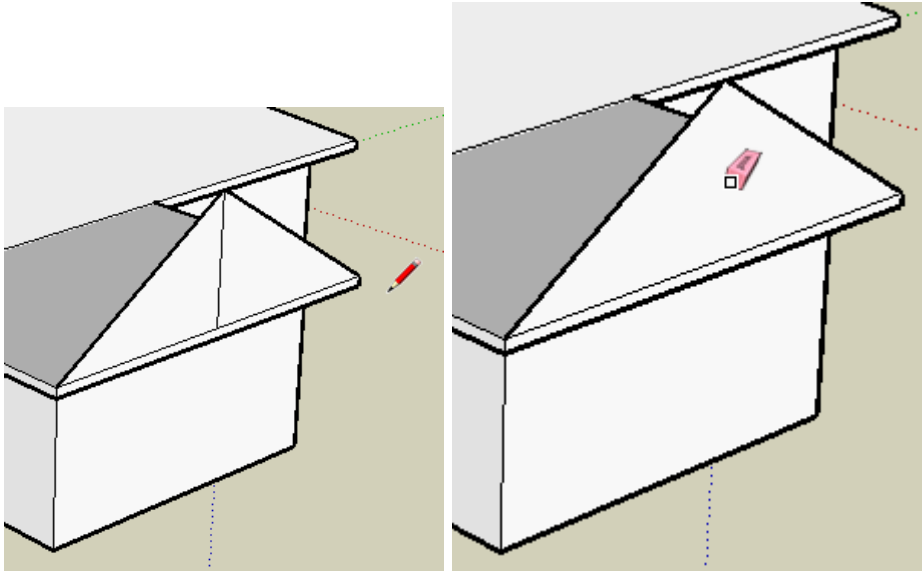
Same procedure as before:



This time for variety, just draw half with the pencil without using the protractor:



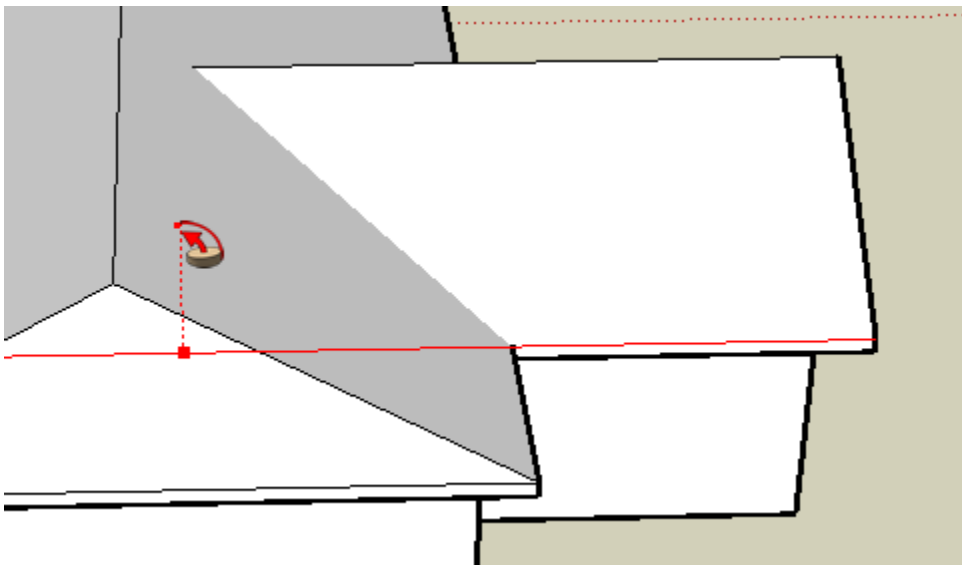
Then draw the other side, and erase the center vertical line:



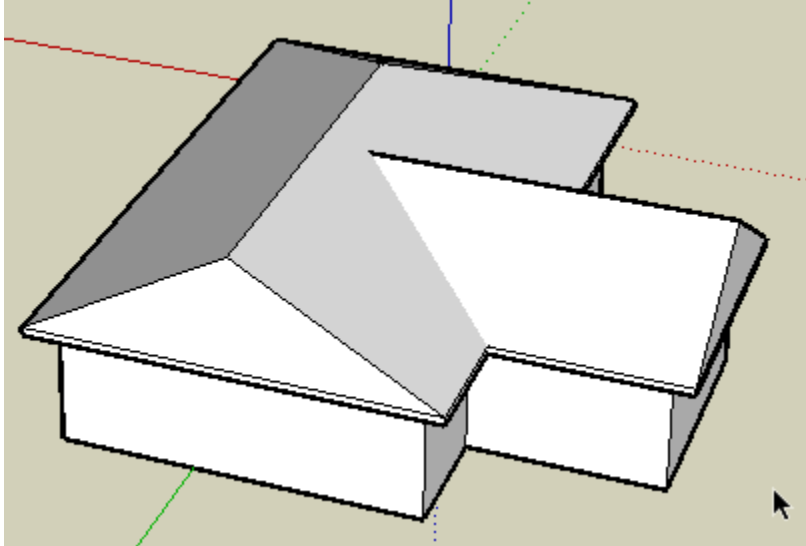
Also for variety, use the follow me tool this time:



Click on the back of the roof face and use the inference to follow the shape of the house:

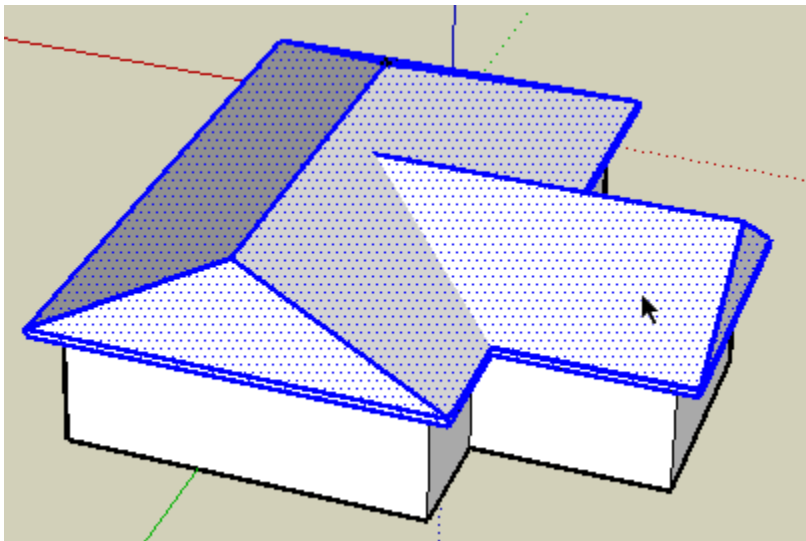


Not done yet. See where the roof lines meet? This is not good geometry -- there is no line, the parts are only intersecting:

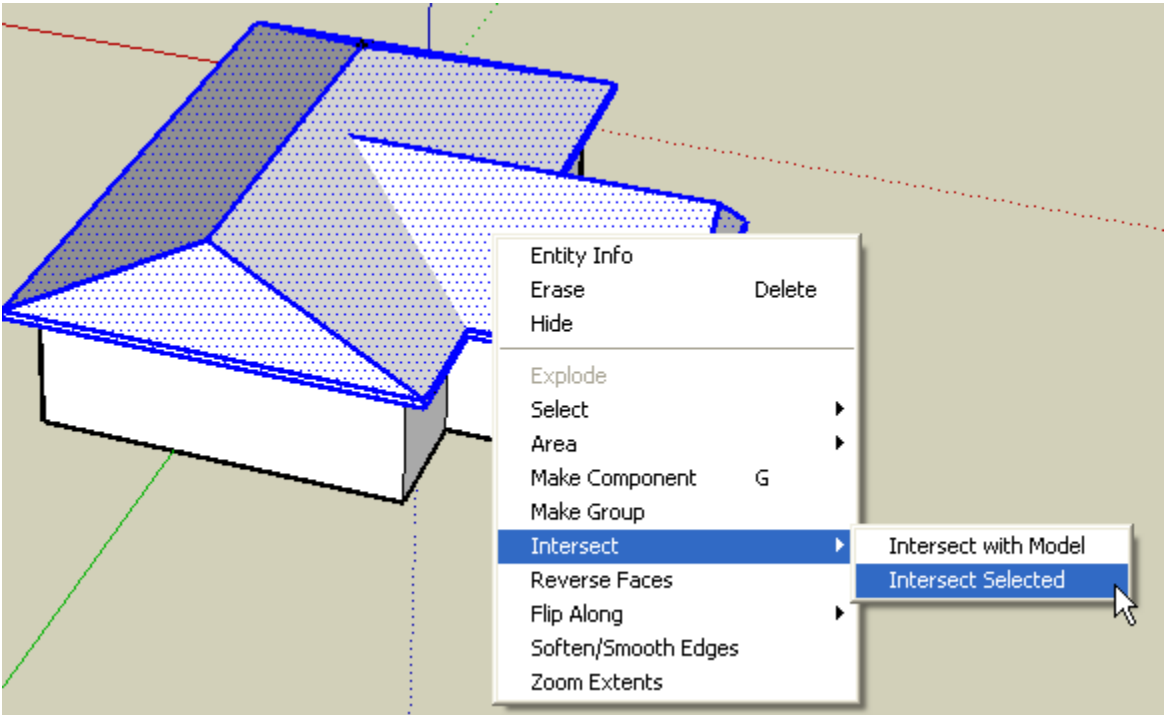


Here is how we add the lines ...

Triple-click each roof shape:



Right click/Intersect selected ...



The roof is complete:

