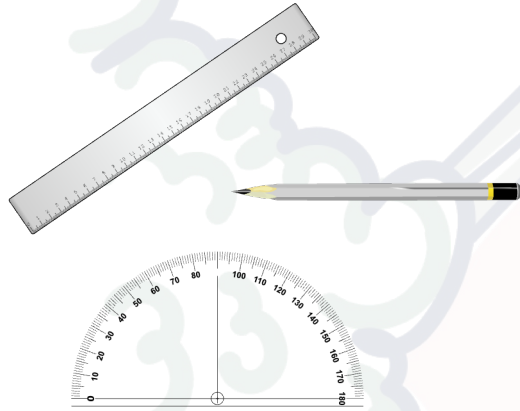


# Angle Architecture



**You've been tasked to design and build a big, beautiful new home for the town mayor.**

**However, as both the architect and builder of the home, you'll need to meticulously design and plan the home.**



**Materials needed: Ruler, protractor, and a sharp pencil.**

- **You'll need to use the ruler to measure the length of each line you draw.**
- **You'll need to use the protractor to measure the interior angles that connect your lines.**
- **You'll need the sharp pencil to draw clean, sharp & straight lines.**

# Angle Architecture

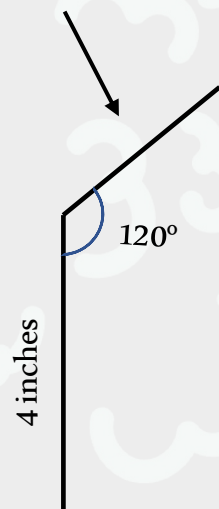
Check out these homes on the left. Use some of these designs to help you plan out your house. Sketch out some of your ideas below. Remember— you'll need to measure your angles, so no rounded lines; your home can only have straight lines. The mayor- however- has requested that his house is not all right-angles ( $90^\circ$ ). Therefore, you'll need to add some features that have acute and obtuse interior angles.



This will be your next line on the chart, then you'll put your connecting angle once you've drawn your next line, etc. Take a look at the next page for a more detailed example!

# Construction Instructions

You'll need to write down the instruction for building your home in the chart below! Record the length of each line you draw as well as the connecting angles.



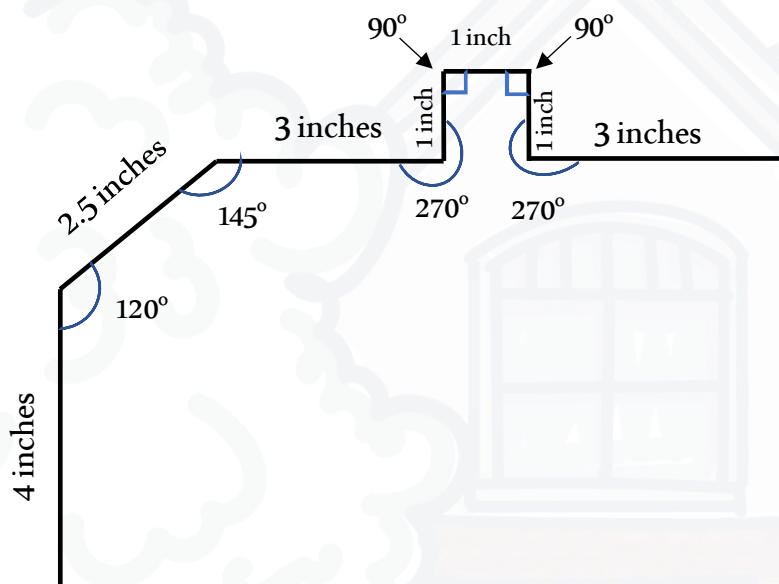
Length of line	Connecting Angle
Example: 4 inches	Example: 120°

Length of line	Connecting Angle

Take a look at the example above. I've drawn the first line and labelled its connecting angle in the chart.







Take a look at the example above. I've started my house design and put the my construction instructions in the chart!



# Angle Architecture

Length of line	Connecting Angle
4 inches	120°
2.5 inches	145°
3 inches	270°
1 inch	90°
1 inch	90°
1 inch	270°
3 inches	.... and on and on!

# Construction Instructions

Length of line	Connecting Angle

Length of line	Connecting Angle

Use this page if you're still building!

