

Be an Archi-Tective

Take a walk in your neighborhood and study the built environment!

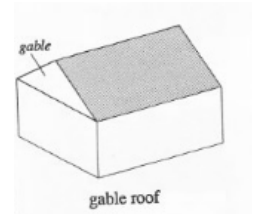
Sketch a building you see during your walk.

Can you pick which roof design it has?

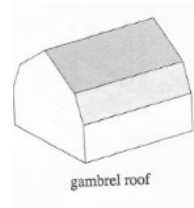
From the Top: Identify these Roof Designs.

Keep track of the number of these roofs with tally marks. #

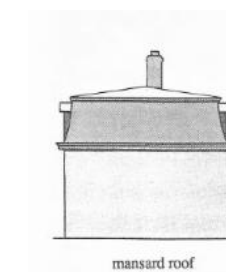
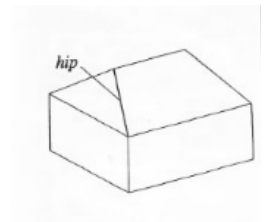
A gable roof has two sloping sides. It is the most popular roof design.



A gambrel roof is a type of gabled roof with sloping sides in two parts. It makes maximum use of space.



A hip roof has four sloping sides. All sides slope downward.



A mansard roof is a type of hip roof. The design was borrowed from France and popular in the late 19th century.

Believe it or not there are more than twenty different roof designs that architects can choose from!

Illustrations by Steven J. Phillips in *Old House Dictionary: An Illustrated guide to American Domestic Architecture 1600 to 1940*

Archi-Tective Terms:

Eave- The part of the roof that goes beyond, or overhangs, the exterior wall.

Pitch- A construction ratio or fraction. The most common roof pitch is between 4/12 and 9/12.

Ridge- The peak of the roof.

Shingles- A protective covering that can be made from many different materials: wood, metal, slate, or asphalt.

Slope- All roofs have a slope. The roof angle, or slope, can vary from a low-slope to a steep-slope. The steeper the slope the faster rain and snow can move off the roof with less chance of damage resulting in a leaky roof.