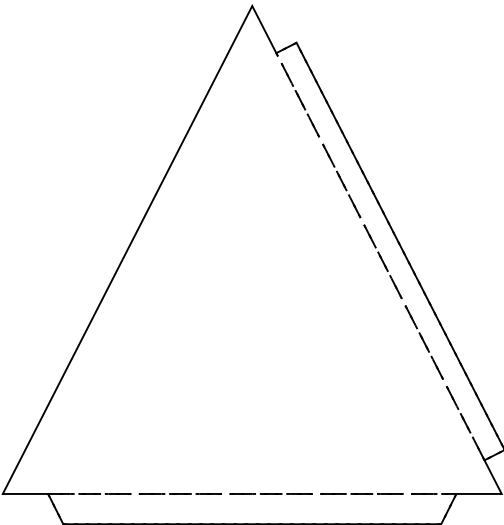


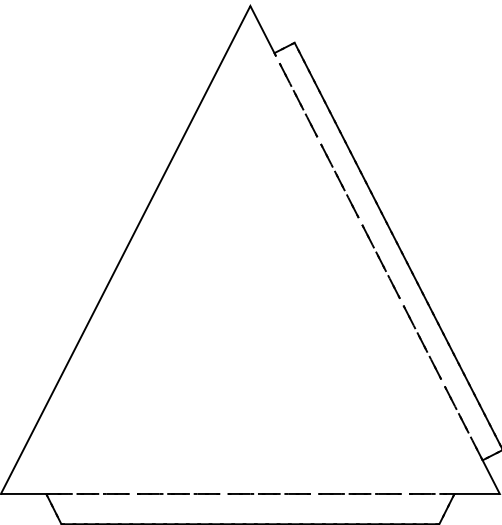
Six-Post Garden Gazebo

gazebo / 1.0.0 / Letter / Template page 1

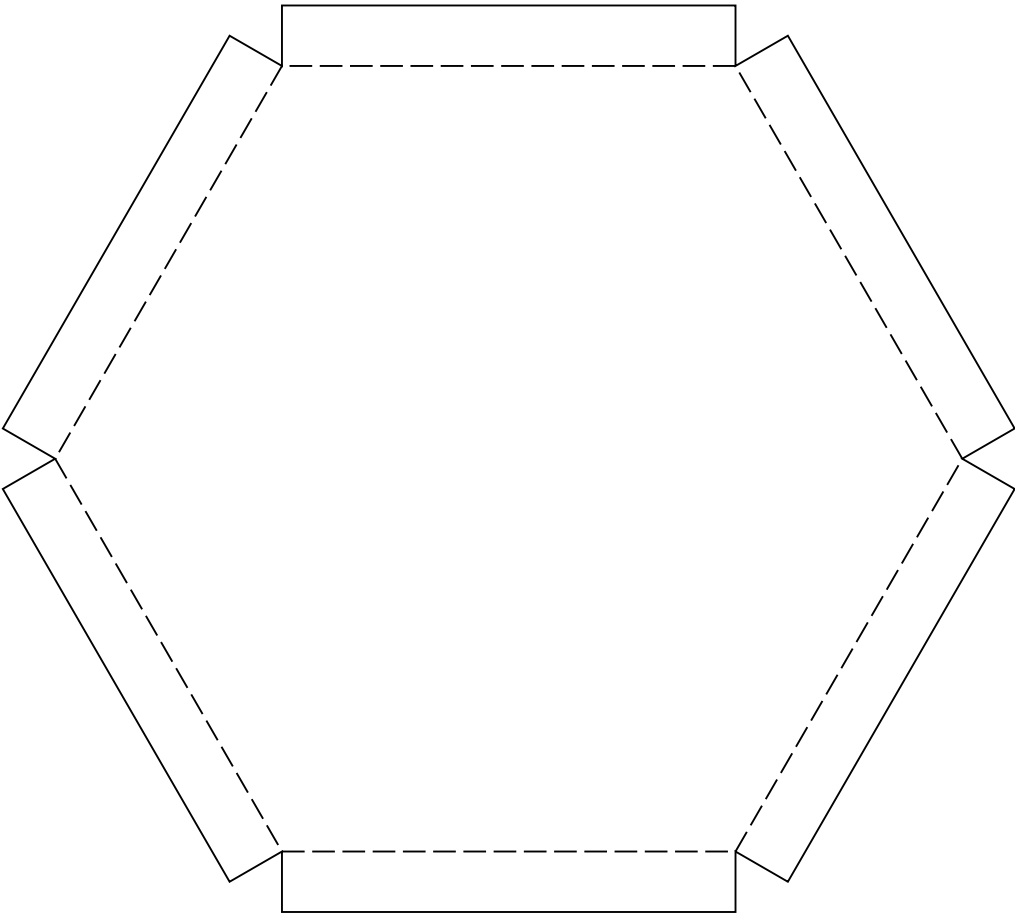
R1 | cut 1
66.40 x 68.55 mm



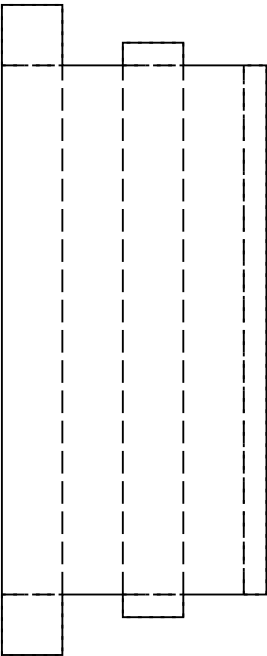
R2 | cut 1
66.40 x 68.55 mm



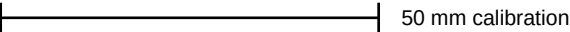
D | cut 1
133.86 x 119.92 mm



C1 | cut 1
35.00 x 86.00 mm



Solid: cut | Dashed: valley | Dash-dot: mountain | Dotted: glue

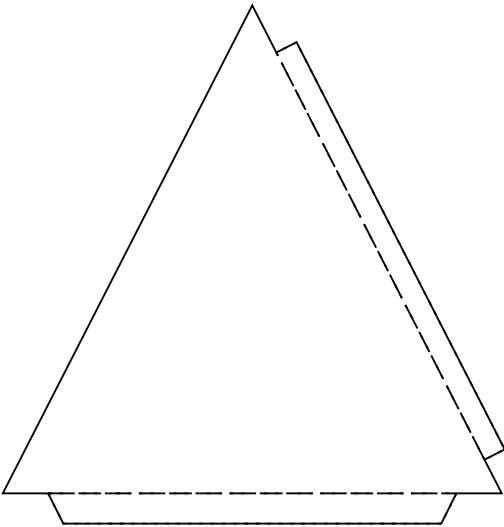


Print at 100% / Actual size. Do not fit to page. Original paper craft template.

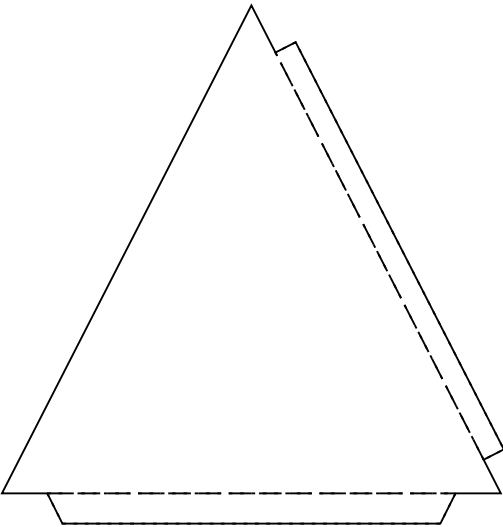
Six-Post Garden Gazebo

gazebo / 1.0.0 / Letter / Template page 2

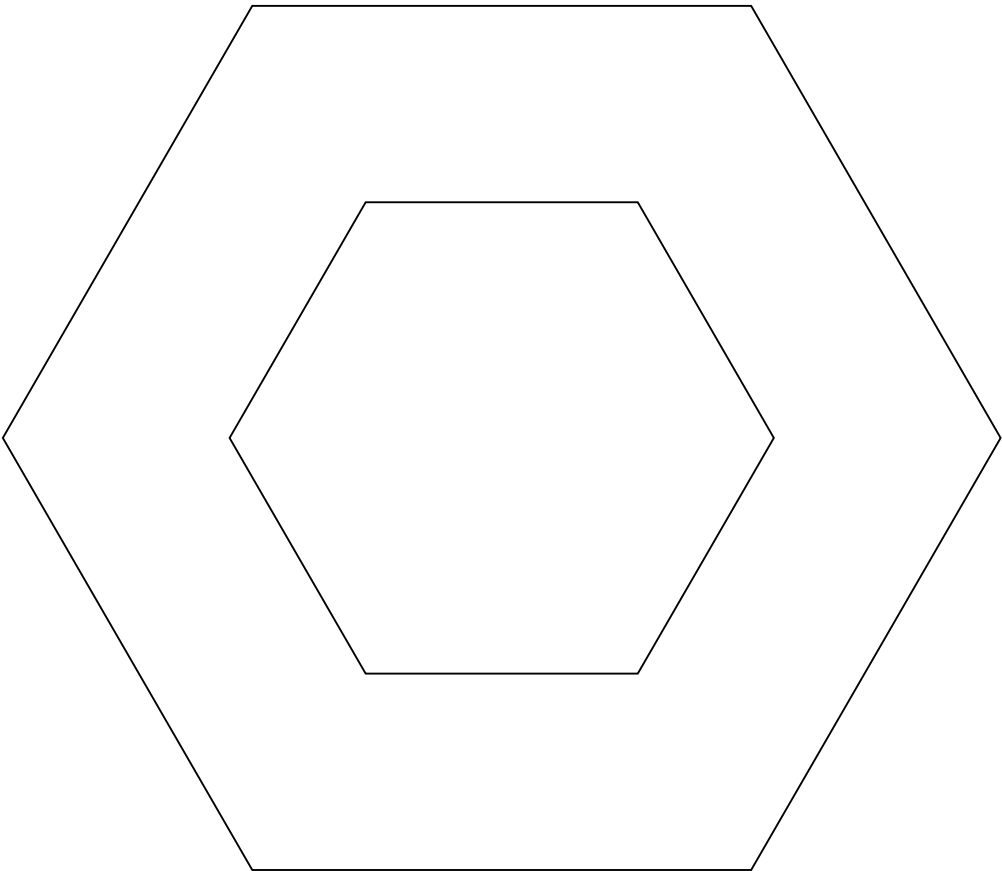
R3 | cut 1
66.40 x 68.55 mm



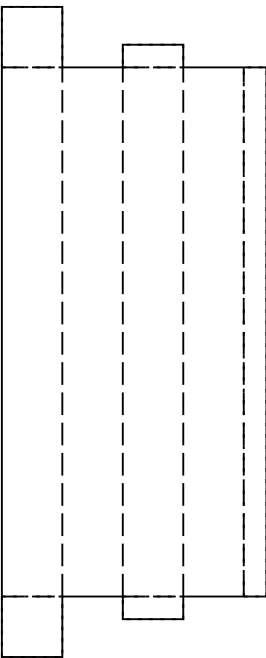
R4 | cut 1
66.40 x 68.55 mm



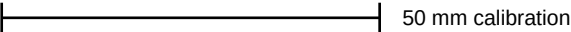
H | cut 1
132.00 x 114.32 mm



C2 | cut 1
35.00 x 86.00 mm



Solid: cut | Dashed: valley | Dash-dot: mountain | Dotted: glue

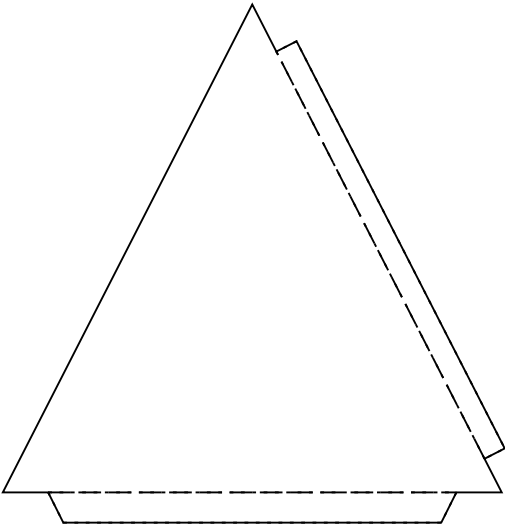


Print at 100% / Actual size. Do not fit to page. Original paper craft template.

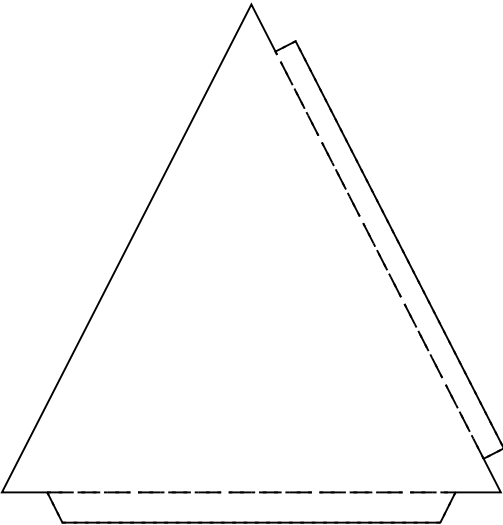
Six-Post Garden Gazebo

gazebo / 1.0.0 / Letter / Template page 3

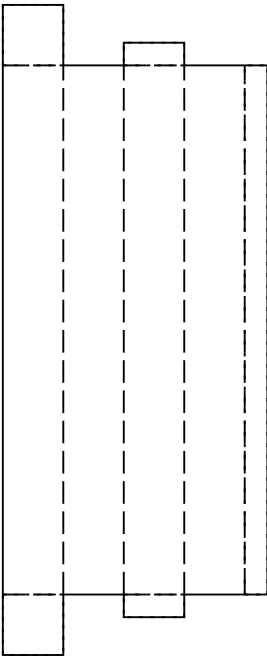
R5 | cut 1
66.40 x 68.55 mm



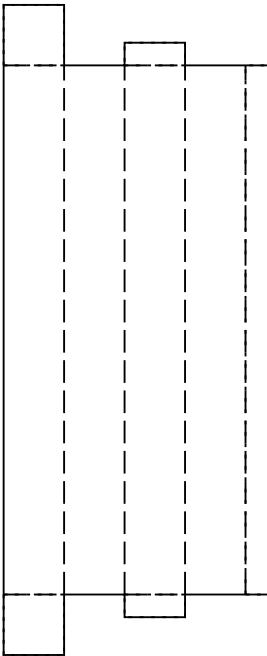
R6 | cut 1
66.40 x 68.55 mm



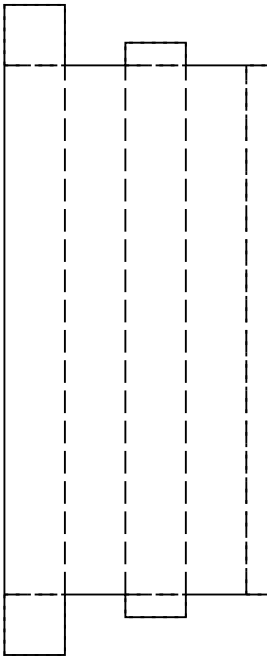
C3 | cut 1
35.00 x 86.00 mm



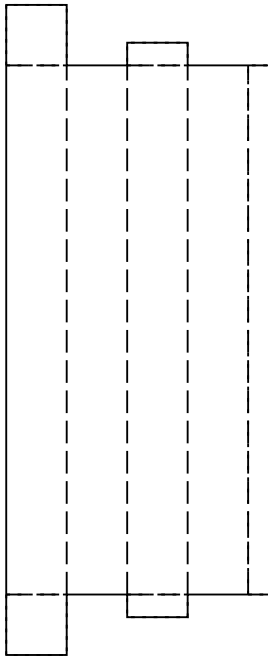
C4 | cut 1
35.00 x 86.00 mm



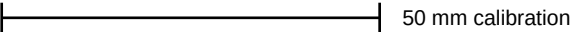
C5 | cut 1
35.00 x 86.00 mm



C6 | cut 1
35.00 x 86.00 mm



Solid: cut | Dashed: valley | Dash-dot: mountain | Dotted: glue



Print at 100% / Actual size. Do not fit to page. Original paper craft template.

Six-Post Garden Gazebo

gazebo / 1.0.0 / Letter / Assembly instructions

Finished size: 132 x 114.32 x 108 mm

Materials: 220-250 gsm cardstock; PVA glue; Scissors or craft knife; Scoring tool; Ruler; Small square

Original static architectural miniature. No central mast, enclosed tower, carousel mechanism or hidden supports.

14 physical cut pieces: one skirted deck, six capped posts, one annular bearing plate and six tabbed roof facets. All attachment tabs are integral and included in the exact face meshes.

Load path: roof eave returns to bearing ring, ring onto six 8 x 8 mm post caps, posts onto deck, deck through its six 8 mm skirts to the table. The central ceiling opening is 72 mm corner-to-corner.

Rigid zero-thickness nets are exact. Card thickness, glue thickness, crease radius, buckling and long-term sag are not simulated; roof hip laps and caps intentionally share contact planes.

Physical printing, cutting and assembly are deferred. Keep this small model unloaded; it is not a structural toy.

Part inventory (cut each instance once):

D: Hexagonal raised deck

C1: Post 1 - 8 x 8 x 70

C2: Post 2 - 8 x 8 x 70

C3: Post 3 - 8 x 8 x 70

C4: Post 4 - 8 x 8 x 70

C5: Post 5 - 8 x 8 x 70

C6: Post 6 - 8 x 8 x 70

H: Open hexagonal roof bearing ring

R1: Roof facet 1

R2: Roof facet 2

R3: Roof facet 3

R4: Roof facet 4

R5: Roof facet 5

R6: Roof facet 6

1. Cut and score [D, H, C1, C2, C3, C4, C5, C6, R1, R2, R3, R4, R5, R6]: Print at 100 percent; measure the 50 mm ruler. Cut all 14 pieces, including the central hexagonal opening in H. Retain every integral tab. Score indicated folds before removing pieces from the sheet.

2. Raise the deck [D]: Fold all six D skirts down 90 degrees, leaving the 60 mm-side hexagonal deck flat and 8 mm above the table. Adjacent skirt edges meet without overlap; the six bottom edges must sit level. Do not glue skirt corners across a gap.

3. Make six closed columns [C1, C2, C3, C4, C5, C6]: For each C, fold the four 8 mm-wide walls into an 8 x 8 mm square tube, 70 mm tall. Fold the 3 mm longitudinal lap inside and glue beneath the first wall. At both ends fold the 3 mm backing lip inward 90 degrees, then close the 8 x 8 mm cap inward 90 degrees and glue its last 3 mm over the lip. Keep caps square and let all six posts dry.

Six-Post Garden Gazebo

gazebo / 1.0.0 / Letter / Assembly instructions continued

4. Position the six supporting posts [D, C1, C2, C3, C4, C5, C6]: On the deck measure from its center toward each vertex: place a post center 46 mm out, hence 14 mm inward from the vertex. Orient one square axis radially. Centers relative to deck center are (46,0), (23,39.84), (-23,39.84), (-46,0), (-23,-39.84), (23,-39.84) mm. Glue the entire bottom cap to D; all post tops must be 78 mm above the table. Hold plumb with a square and allow to set.
5. Tie the posts with the open ring [H, C1, C2, C3, C4, C5, C6]: Center H on all six top caps, matching its vertex directions with D. H has 66 mm outer radius and 36 mm inner radius. Glue its underside to all six full 8 x 8 mm caps. The 72 mm-wide central opening remains open. Dry flat before adding the roof; this plate ties the columns together.
6. Join the faceted roof [R1, R2, R3, R4, R5, R6]: Arrange R1-R6 counterclockwise around the apex viewed from above. Each 66 mm eave joins the next end-to-end. Turn each 3 mm hip tab beneath the neighboring triangle and glue it with a full 3 mm lap; R6 closes beneath R1. The hip tab changes direction about 26.9 degrees from its unfolded plane. Keep the 7 mm apex relief clear. Dry with the six eaves coplanar: the apex rises 30 mm, and each roof face slopes about 27.7 degrees above horizontal.
7. Seat roof on the bearing ring [H, R1, R2, R3, R4, R5, R6]: Turn the six 4 mm-deep eave returns under the roof until horizontal and pointing toward the center. Apply glue to their bottom faces, then seat them on the outer 4 mm band of H, matching all six vertices. Press through the open sides while drying. Finished apex is 108 mm above the table; roof spans 132 mm corner-to-corner. Leave every bay open; no rails or central support are needed. Physical assembly remains pending.