Baroque Drawing: Dome, Volute and Ornament Construction

Original task 1 / independent drawing and calculation

Task 1

In a 10 cm by 14 cm frame, use the bottom edge as baseline y=0 and set the spring line at y=10 cm and top guide at y=14 cm. Draw a centered half-ellipse dome 6 cm wide and 4 cm high. Mark the midline and check symmetry at the base, halfway up, and crown using a 2 mm tolerance (hypothetical).

Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

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Original task 2 / independent drawing and calculation

Task 2

In a 12 cm wide frame with centerline x=6, draw mirrored connected volutes. Use left outer center (3,2), its mirror (9,2), and radii 2, 1, and 0.5 cm for three quarter-turns. Measure x from the left edge and y upward from the baseline. Turn the left arcs counterclockwise and mirror them clockwise on the right; describe shifted centers and shared endpoints.

Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

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Original task 3 / independent drawing and calculation

Task 3

Draw an 8 cm ornament strip centered on its midline x=4, spanning x=0 to x=8. Divide it into four equal segments and place one simple leaf motif at each segment center, mirrored about x=4. Keep each motif inside its segment.

Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

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Original task 4 / independent drawing and calculation

Task 4

Combine a centered dome 7 cm wide and 4.5 cm high, volutes with outer radius 2.5 cm and half-radius reductions, and a 9 cm ornament strip in a 12 cm by 15 cm frame. Set centerline x=6 and dome spring line y=5.5; use outer volute centers (3,3) and (9,3) so the arcs join the spring line at (3,5.5) and (9,5.5). Place the strip from x=1.5 to 10.5 and y=1 to 3, divided into three segments. Describe the order and checks.

Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

Full drawing sheet / reusable blank workspace

Reusable full drawing sheet for Tasks 1 to 4. Print another copy when needed. Keep all original task measurements; if a task specifies larger paper, use that paper size.