Draw a Roof: Comparing Gable and Hip Forms

Original task 1 / independent drawing and calculation

Task 1

Draw a gable roof on an 8 cm eave line with a 4 cm ridge height. Label the ridge and both slopes.

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.

Draw a Roof: Comparing Gable and Hip Forms

Original task 2 / independent drawing and calculation

Task 2

Draw a hip roof on a 10 cm eave line with a 5 cm ridge height and a 4 cm ridge line. Label the ridge and hip slopes.

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 both roofs side by side on 9 cm eave lines at the same 4.5 cm ridge height. Make the hip ridge 3 cm. Add a dashed line between the ridge labels marked SAME HEIGHT.

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.

Draw a Roof: Comparing Gable and Hip Forms

Original task 4 / independent drawing and calculation

Task 4

A sketch shows a roof with a pointed top and a note saying hip roof. Identify the error and describe the corrected drawing.

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

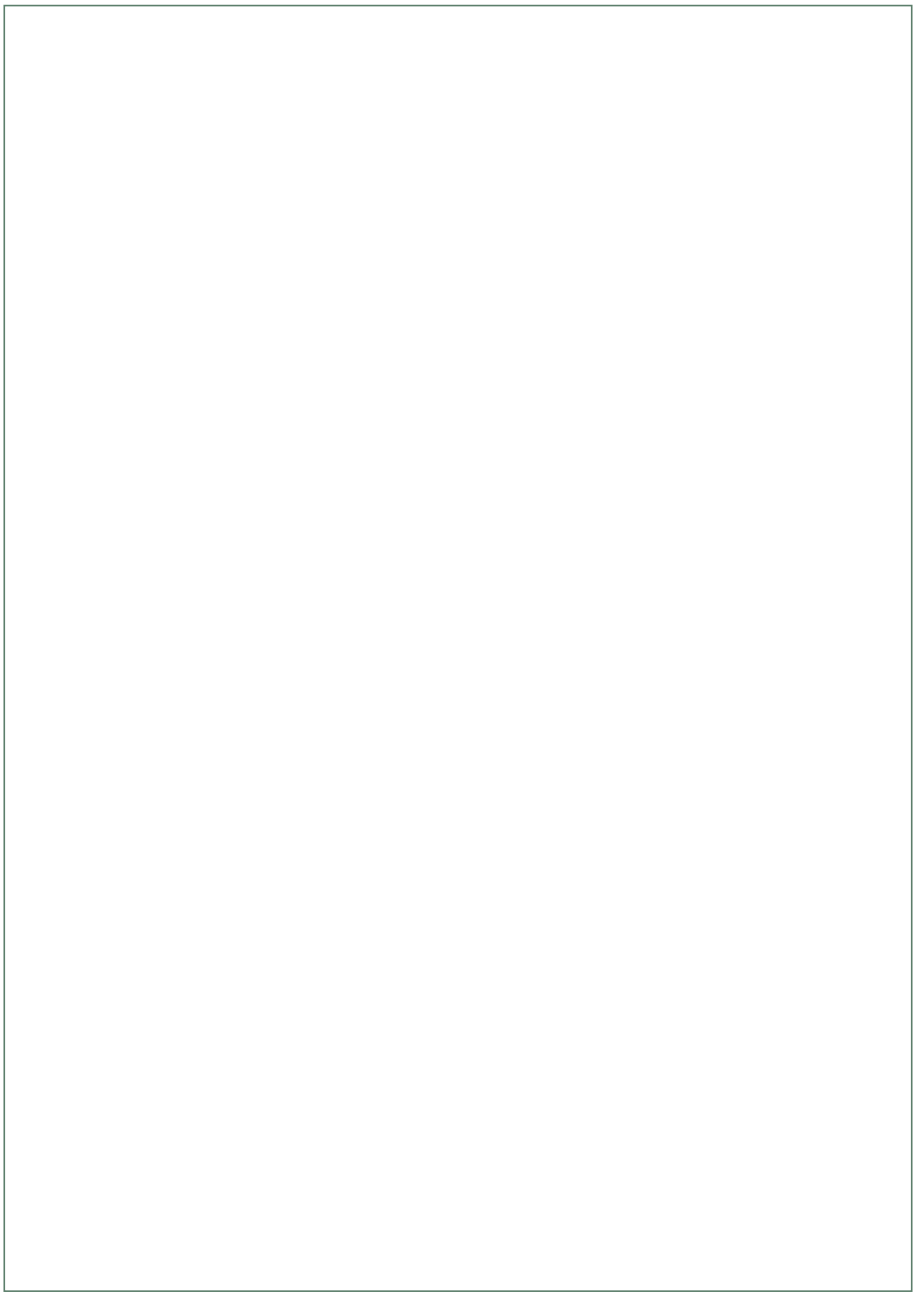
Reusable full drawing sheet for Tasks 1 to 4. Print another copy when needed. Keep all original task measurements; if a task specifies larger paper, use that paper size.

Draw a Roof: Comparing Gable and Hip Forms

Task 1 / practice

Roof-form teaching schematics / labelled lengths print 1:2 / not a full building projection

Independent drawing area / supply your construction and measurements.

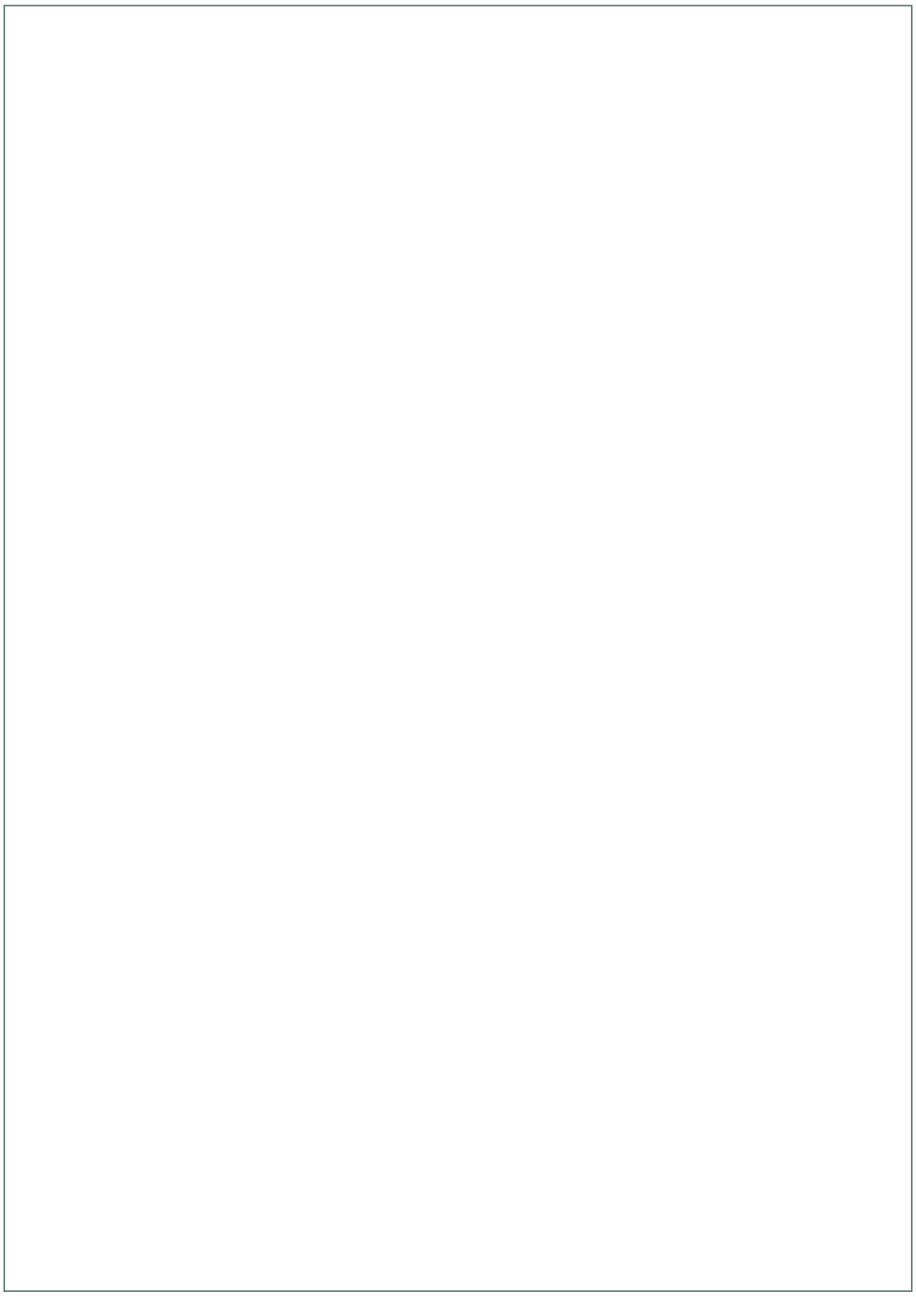


Draw a Roof: Comparing Gable and Hip Forms

Task 2 / practice

Roof-form teaching schematics / labelled lengths print 1:2 / not a full building projection

Independent drawing area / supply your construction and measurements.

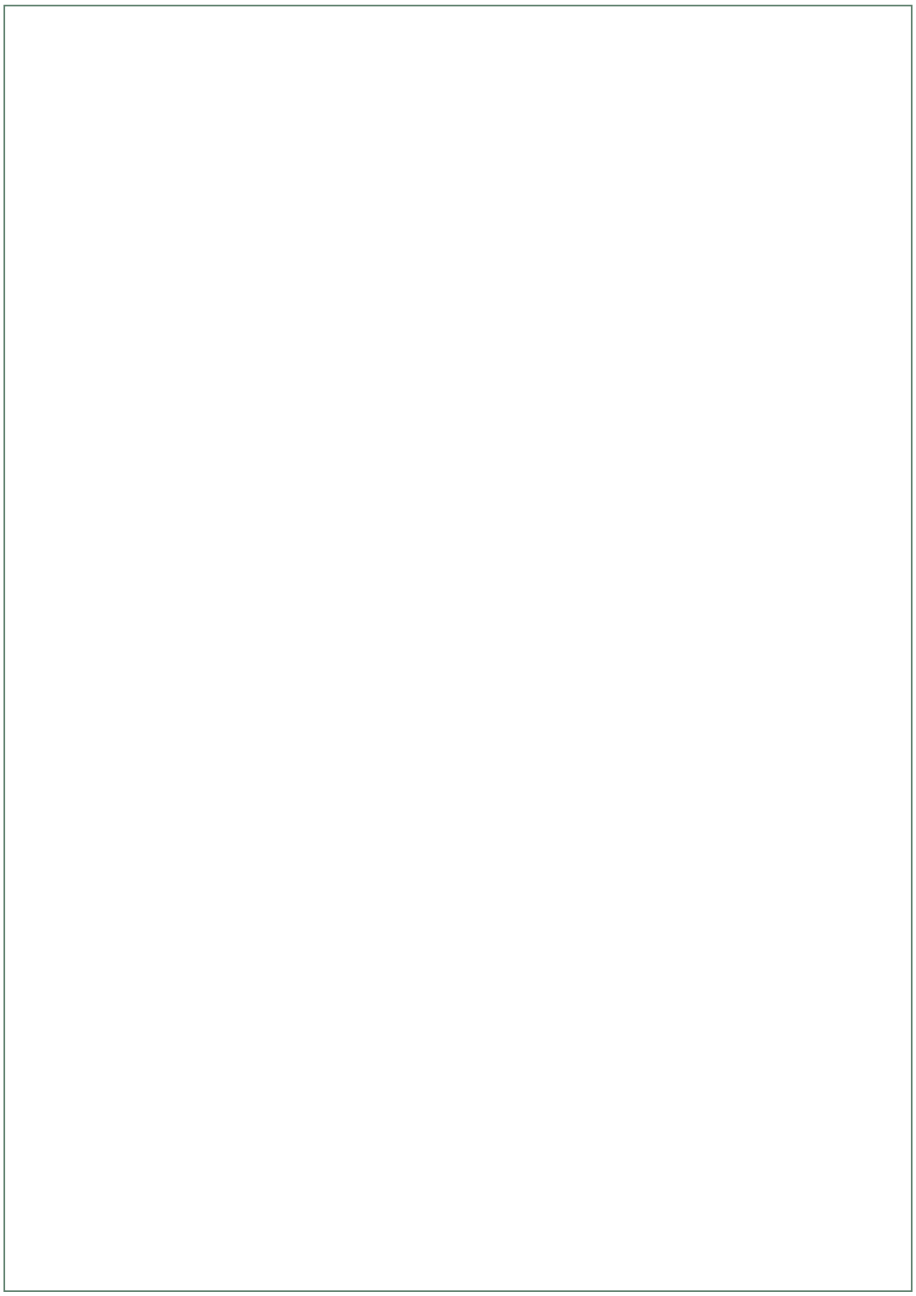


Draw a Roof: Comparing Gable and Hip Forms

Task 3 / practice

Roof-form teaching schematics / labelled lengths print 1:2 / not a full building projection

Independent drawing area / supply your construction and measurements.

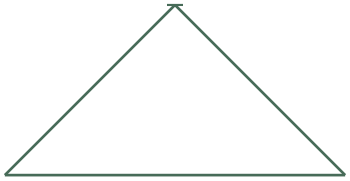


Draw a Roof: Comparing Gable and Hip Forms

Task 4 / practice

Roof-form teaching schematics / labelled lengths print 1:2 / not a full building projection

HIP ROOF



Identify the mismatch and sketch a correction in your own response area.