Contour Drawing of Skis and Boots: A Line-Only Study

Original task 1 / independent drawing and calculation

Task 1

A ski is 140 cm long and the boot is 25 cm long. At a scale of 1:7, calculate the drawing lengths and state the boot-to-ski ratio.

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

Describe the contour order for a ski with a curved tip and a flat tail, and a boot with a visible cuff seam. Include one continuity check.

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

A boot cuff is 12 cm above the ski top. At a scale of 1:6, how many centimeters above the baseline should the cuff line be drawn? Show the arithmetic.

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

Your drawn ski is 18 cm long and your drawn boot is 3 cm long. The actual ski is 144 cm. What is the scale, and what actual boot length does the drawing imply?

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.