Mountain Ridge Contour Drawing: Two-Outline Line-Following Practice

Original tasks 1, 2, 3 / complete keys

Task 1

A reference Ridge A has three turns and a reference Ridge B has five turns. You redraw both and count eight turns total. Is your total consistent with the references? Explain.

Answer: Yes. Three plus five equals eight, so the total matches the references.

Reason: Add the turn counts from both references and compare with the total counted on the redraws.

Check: Recount turns on each redraw separately and add them; confirm the sum is eight.

Task 2

Your redraw of Ridge B shows six turns, but the reference shows five. What is the most likely error, and how do you fix it?

Answer: One extra turn was added. Find the extra direction change, remove it, and redraw that segment so the outline shows five turns in the reference order.

Reason: A mismatch of one turn means an additional direction change was introduced during redrawing.

Check: Compare turn order left to right against the reference and mark where the extra turn appears.

Task 3

You place your redraw of Ridge A beside its reference and notice the redraw is much taller. Which rubric item is affected, and what should you check next?

Answer: Relative height is affected. Check that Ridge B still reads narrower and taller than Ridge A, and adjust Ridge A's height to match its reference more closely.

Reason: Height is a structural feature compared between the two ridges, so an oversized Ridge A breaks the relative height check.

Check: Compare panel heights side by side and confirm Ridge B remains the taller, narrower outline.

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Original tasks 4 / complete keys

Task 4

A classmate's redraw has a slightly different curve radius from the reference but the same three turns in the same order and similar height. Under the convention, is this acceptable? Explain.

Answer: Yes. The convention accepts valid alternatives when turn count, turn order, and relative height match; curve radius may differ.

Reason: The rubric rewards consistent following and accurate turning points rather than a single universal shape.

Check: Count turns, confirm order, and compare height; if all three match, accept the redraw.

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Source rubric / reflection

- [ ] Turn count on each redraw matches its reference.
- [ ] Turn order left to right matches the reference.
- [ ] Ridge B reads narrower and taller than Ridge A.
- [ ] Each outline is one continuous line with even weight.
- [ ] Arrows appear at direction changes only and point along the line.
- [ ] Valid alternatives are accepted when structure matches even if curve radius differs.

Reflection: What did you check, what did you change, and what will you try next?