Draw a Black Swan: S-Curve Neck and Reflection Check

Original task 1 / independent drawing and calculation

Task 1

On a page with a waterline at 8 cm from the top, sketch a body ellipse 5 cm wide and 3.5 cm deep, tilted so the tail is higher than the chest. Draw a neck base 0.8 cm thick tapering to 0.4 cm at the head. Use two guide arcs: a lower arc that rises 4 cm and leans forward, and an upper arc that rises 3 cm and leans back. Describe where the head and bill go.

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

A student draws a neck as a single straight line 9 cm long from the chest to the head. The body ellipse is 4 cm wide and 4 cm deep. Identify two problems and describe how to fix them using guide arcs and a tilted ellipse.

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

With a waterline at 12 cm from the top, a student mirrors a body ellipse downward. The original ellipse is 6 cm wide and 4 cm deep. The reflected ellipse is 6 cm wide and 4 cm deep but shifted 1 cm to the left. Describe how to correct the reflection and why alignment matters.

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

A student draws a swan with a neck base 1.2 cm thick tapering to 0.3 cm at the head. The lower arc rises 6 cm and leans forward; the upper arc rises 5 cm and leans back. The head is placed at the top of the lower arc instead of the upper arc. Describe the problem and the fix.

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.