Drawing Practice: Funnel Nose Type with Construction Variations

Original task 1 / independent drawing and calculation

Task 1

In a 10 cm by 10 cm box with origin at the top-left, x measured right and y downward, construct a front-view funnel nose with center line x=5 cm, wing-base guide y=6 cm, tip-center guide y=5 cm, and a 1.5 cm diameter tip circle centered at (5,5). Extend mirrored nostril wings 1 cm outward. List the steps and state one symmetry 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 2 / independent drawing and calculation

Task 2

In a 10 cm by 10 cm box with origin at the top-left, x measured right and y downward, start from a front-view construction with center line x=5 cm, a 1.5 cm tip circle centered at (5,5), and wing-base guide y=6 cm. Turn the nose to the right into a three-quarter view. Describe what changes in the center line, tip oval, and near and far nostril wings.

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

In a 10 cm by 10 cm box with origin at the top-left, x measured right and y downward, draw a profile-view nose facing right. Curve the bridge from near (4,0) to a rounded tip centered near (8,6); add one nostril hook under the tip curving left, back toward the face. State one 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 4 / independent drawing and calculation

Task 4

A student draws a front-view funnel nose with a straight vertical bridge, nostril wings attached halfway up the bridge, and a tip smaller than the bridge base. Identify two mistakes and give a fix for each.

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.