Draw a Halo Ring with Glow and Tilt: A Guided Construction

Original task 1 / independent drawing and calculation

Task 1

Draw a halo with a 45-degree tilt. Use a major axis of 8 cm and a minor axis of 2 cm. Place the halo center 4 cm above the top of a head oval. Describe the ellipse and placement.

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

Draw a halo with a 20-degree tilt. Use a major axis of 5 cm and a minor axis of 2.5 cm. Place the halo center 2 cm above the skull top. Add a near-glow band 1.5 cm wide and a far-glow band 0.75 cm wide. Describe the value order.

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 student draws a halo with a major axis of 6 cm and a minor axis of 1 cm, then shades a single thick outline. Identify two problems and give fixes.

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

Draw a halo with a 30-degree tilt and a major axis of 7 cm. Choose a minor axis that gives a 3.5:1 ratio. Place the halo center 3 cm above the skull top. State the minor axis length and the gap 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.

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.