Hockey Puck Isometric Drawing: Cylinder and Ellipse Practice

Original tasks 1, 2 / independent work

Task 1

A puck is drawn with a top ellipse whose four tangent points are 4 cm from the center along each 30-degree axis. What is the chosen diameter in this drawing?

Task 2

A student draws the top ellipse but the curve crosses outside the rhombus sides. Which convention condition is violated, and how should it be fixed?

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Original tasks 3, 4 / independent work

Task 3

The top center is at a marked point and the thickness is 3 cm. Where is the bottom center located relative to the top center?

Task 4

A drawing shows side-wall lines that slant 10 degrees from vertical. Is this acceptable under the convention? Explain.