Draw 3D Solid Figures: Depth Lines and Shading Practice

Original task 1 / independent drawing and calculation

Task 1

Draw a cube with a 30 mm front square and 15 mm depth lines, light from the upper right. Show depth lines and shading.

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 cylinder with a bottom ellipse 40 mm wide and a top ellipse 40 mm wide, height 50 mm, light from the left. Show shading.

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

Draw a cone with a base ellipse 50 mm wide and a point 60 mm above the base center, light from the upper left. Show the center depth line and shading.

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 cube with a 25 mm front square and 12 mm depth lines, light from directly above. Show depth lines and shading.

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.