Draw Contour Lines on a Mirror with a Marker

Topic reference / ordinary illustration



Ordinary topic reference. Hypothetical dimensions in the four tasks are supplied in their own text; this illustration is not their measured answer.

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Worked example / complete source key

A mirror is 10 cm wide and 15 cm tall (hypothetical example). A reflected mug edge runs from a change point at 2 cm from the left edge to another at 8 cm from the left edge, both at 5 cm from the bottom. Using a 1 mm marker tip as the offset, describe how to draw and check one straight contour segment.

Answer: Mark the two change points lightly at the stated positions. Draw a straight segment between them, keeping the line one marker width (1 mm) from the reflected edge as seen from your fixed eye position. Check at both change points and at the midpoint (5 cm from the left edge, 5 cm from the bottom): the line should remain 1 mm from the edge. If it drifts, correct only that segment and re-check from the same eye position.