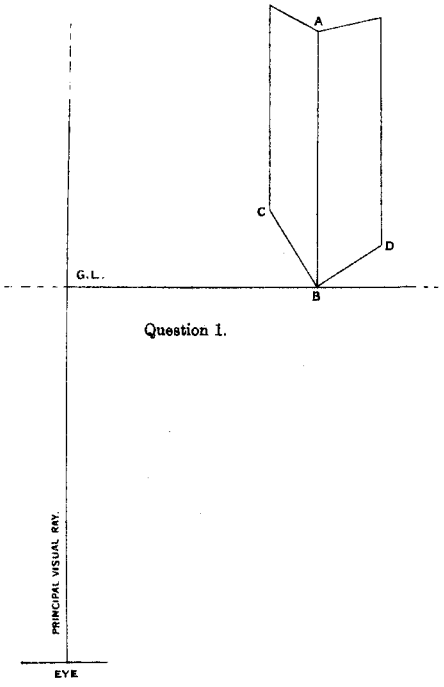
No. 112.—Perspective Drawing.—For Class D.

Time allowed: One hour and a half. [*At least two of the questions must be attempted. All the necessary construction-lines must be shown. The diagrams may be transferred to your drawing-paper by pricking through.*]

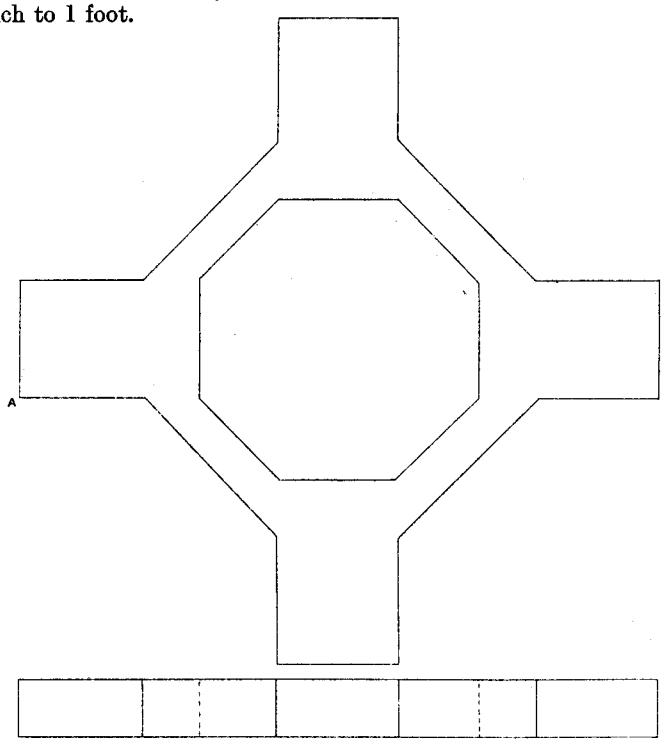
1. A perspective view, drawn to a scale of ½ inch to 1 foot, is given of a two-fold screen standing vertically on the ground plane, the line A B being in the picture plane. The position of the spectator with respect to the object and the direction of the principal visual ray are given. Find the distance of the spectator from the picture plane, the vanishing and measuring points, the length of B C and of B D, and the angles at which these lines recede from the picture plane.

2. The plan, drawn to a scale of ½ inch to 1 foot, is given of a letter G, supposed to be of no thickness. Draw the perspective view of the letter as it lies on the ground plane, with the nearest point A 2 feet beyond the picture plane and 2 feet to the left of the spectator, and with the line AB receding to the right at an angle of 40°. The eye of the spectator is to be 12 feet by scale in front of the picture plane and 6 feet above the ground plane. Scale, ½ inch to 1 foot.

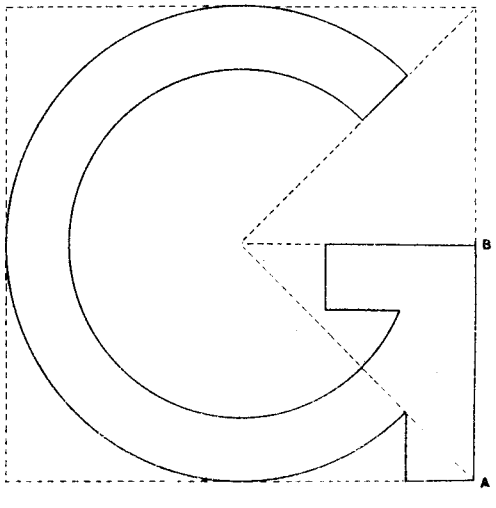
3. Draw the perspective view of the object of which the elevation and plan, drawn to a scale of ½ inch to 1 foot, are given. The object stands vertically on the ground plane, with its face at right angles to the picture plane, the nearest point A being 9 feet to the left of the spectator and 2 feet beyond the picture plane. The eye of the spectator is to be 12 feet by scale in front of the picture plane and 6 feet above the ground plane. Scale, ½ inch to 1 foot.



Question 1.



Question 3.



Question 2.