



2024. M80A

2024L562G1EL

Coimisiún na Scrúduithe Stáit

State Examinations Commission

Leaving Certificate Examination, 2024

Design & Communication Graphics

Ordinary Level

Section A (60 marks)

Thursday, 20 June
Morning, 9:30 - 12:30

Centre No.

This examination has three sections:

Section A	Core - Short Questions
Section B	Core - Long Questions
Section C	Applied Graphics - Long Questions

Section A

- Four questions are presented.
- Answer **any three** questions on the A3 sheet overleaf.
- All questions in Section A carry **20 marks** each.

General Instructions:

- Construction lines must be shown on all solutions.
- Write the question number distinctly on the answer paper in Sections B and C.
- Work on one side of the drawing paper only.
- All dimensions are given in metres or millimetres.
- Write your Examination number in the box below and on all other sheets used.

Examination Number

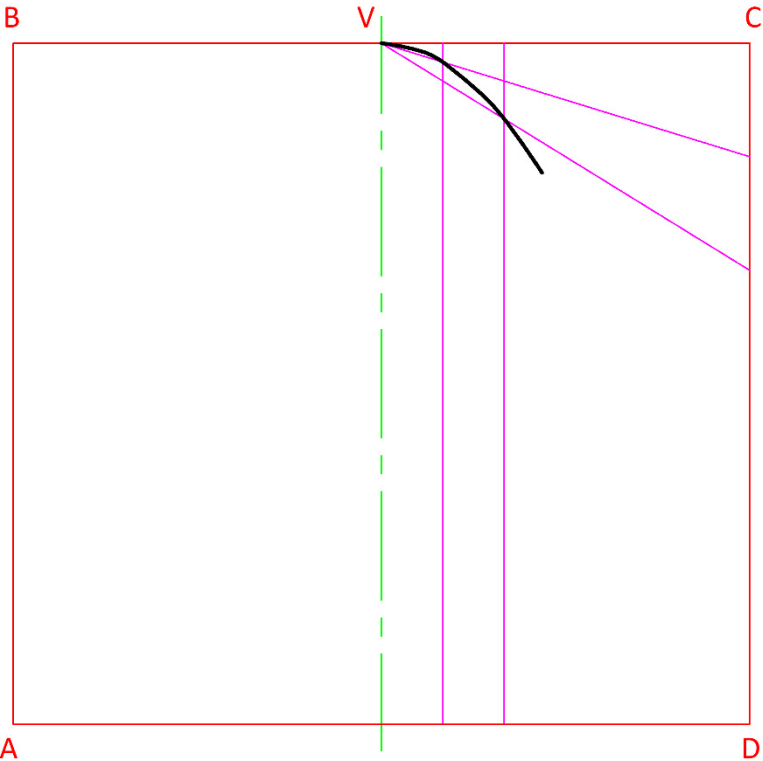
The 2024 examination papers were adjusted to compensate for disruptions to learning due to COVID-19. This examination paper does not necessarily reflect the same structure and format as the examination papers of past or subsequent years.

Section A - Core - Answer any three of the questions on this A3 sheet.

A-1. The image below shows the Gateway Arch monument located in the United States. The monument is in the shape of a parabola.

The drawing on the right shows a portion of a similar parabola, which is inscribed in the rectangle **ABCD**. **V** is the vertex of the parabola.

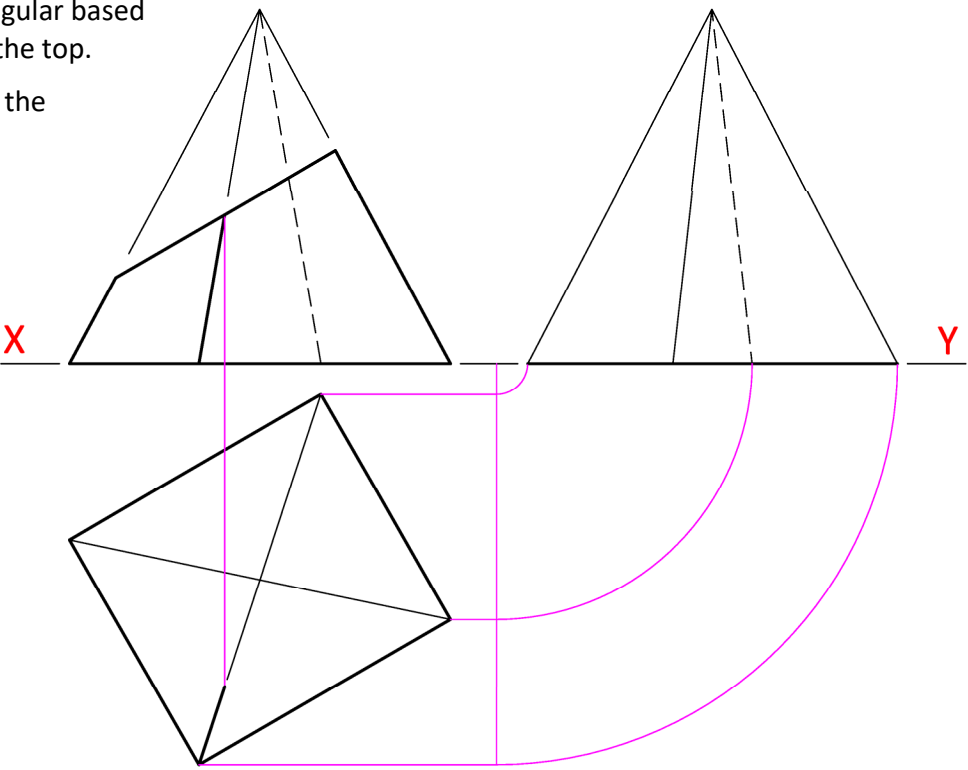
- (a) Locate the remaining points on the right hand side of the parabola.
- (b) Locate the points on the left hand side of the parabola.
- (c) Complete the parabola in the rectangle **ABCD**.



A-3. The image below shows a set of shakers. One shaker is based on a rectangular based pyramid which has been cut at the top.

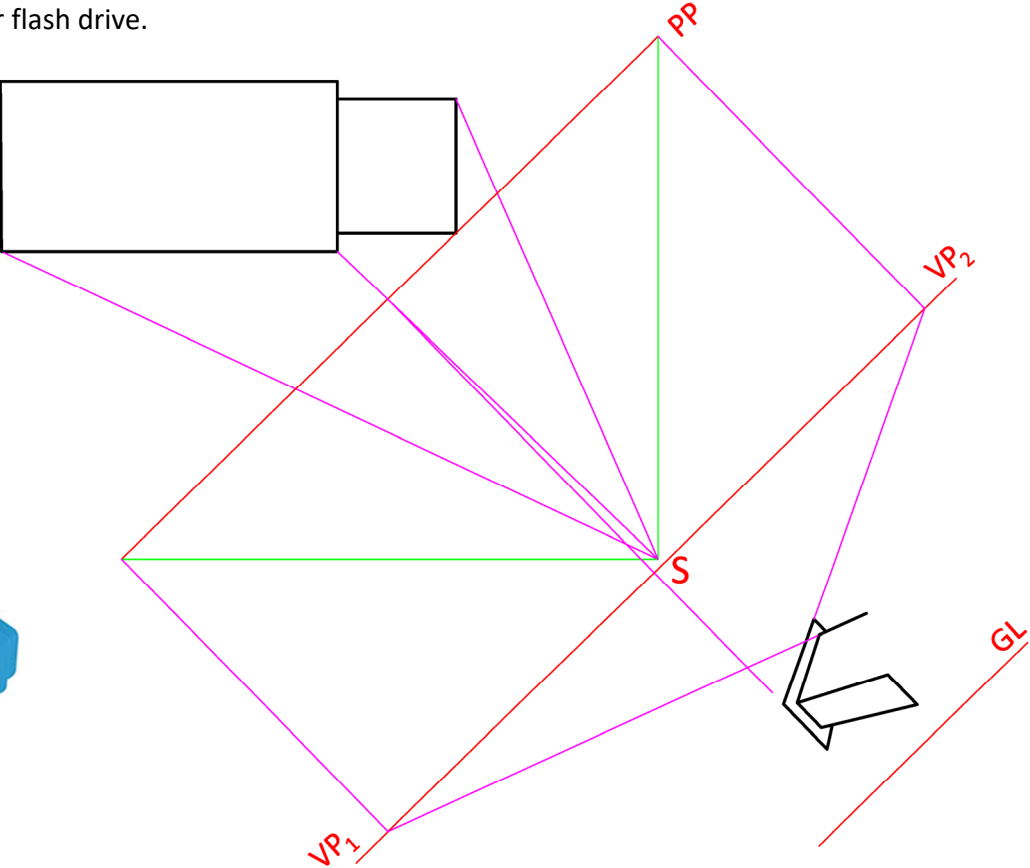
The drawing on the right shows the completed elevation, partially completed plan and partially completed end view of a similar pyramid.

- (a) Complete the plan to show the cut surface.
- (b) Complete the end view.



A-2. The image below shows a USB flash drive. The drawing shows the plan and partially completed perspective view of a similar flash drive.

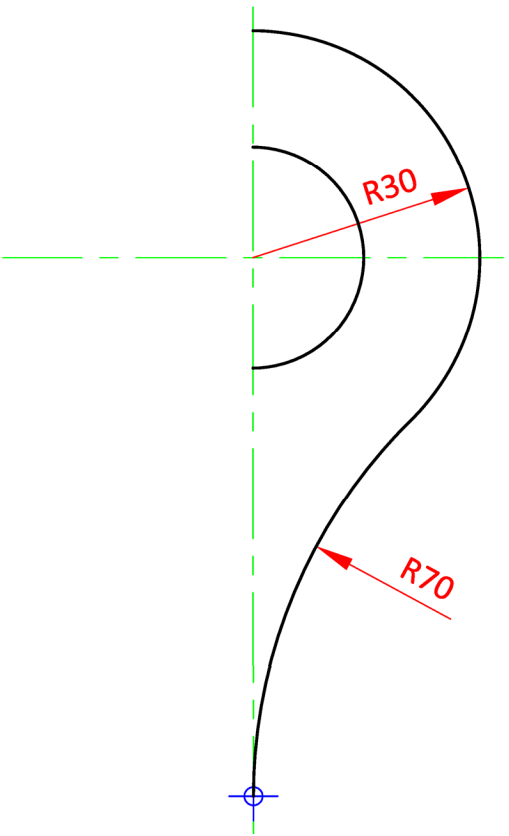
Complete the perspective drawing of the flash drive.



A-4. The image below shows the Google Maps icon, which includes a location pin. The location pin is symmetrical.

The drawing on the right shows a partially completed drawing of the pin.

- (a) Complete the left hand side of the pin.
- (b) Locate a point of contact.



This Contour Map is part of Section C
and should only be used for the
answering of the Geologic Geometry
Option (Question C-1).

(Scale 1:1000)

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