



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.

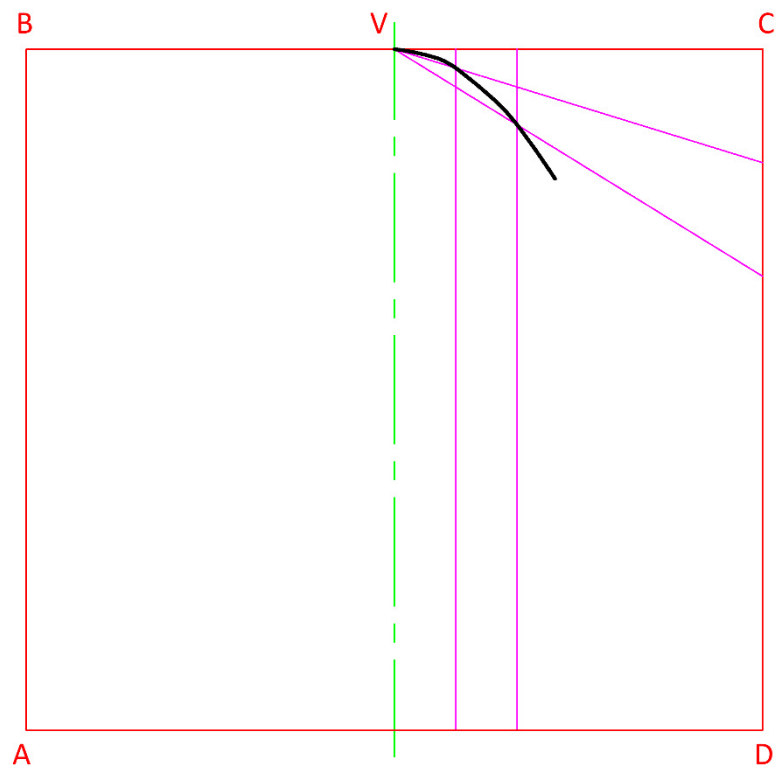
Examination Number

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.

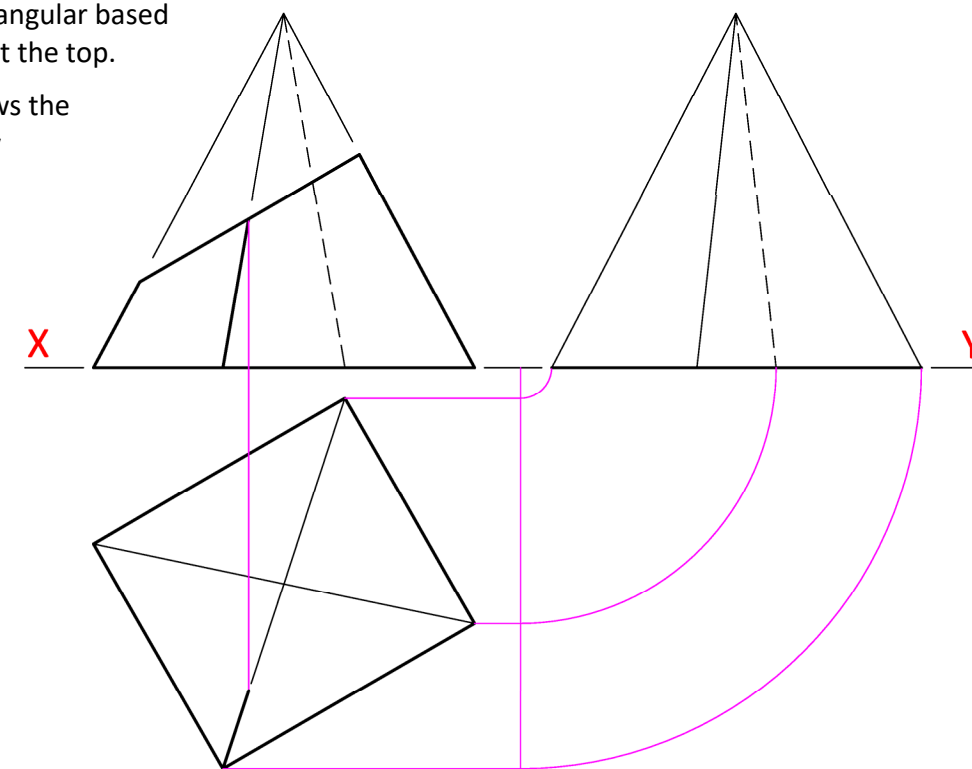
- (a) Locate the remaining points on the right hand side of the parabola.
- (b) Locate the points on the left hand side of the parabola.
- (c) Complete the parabola in the rectangle **ABCD**.



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.

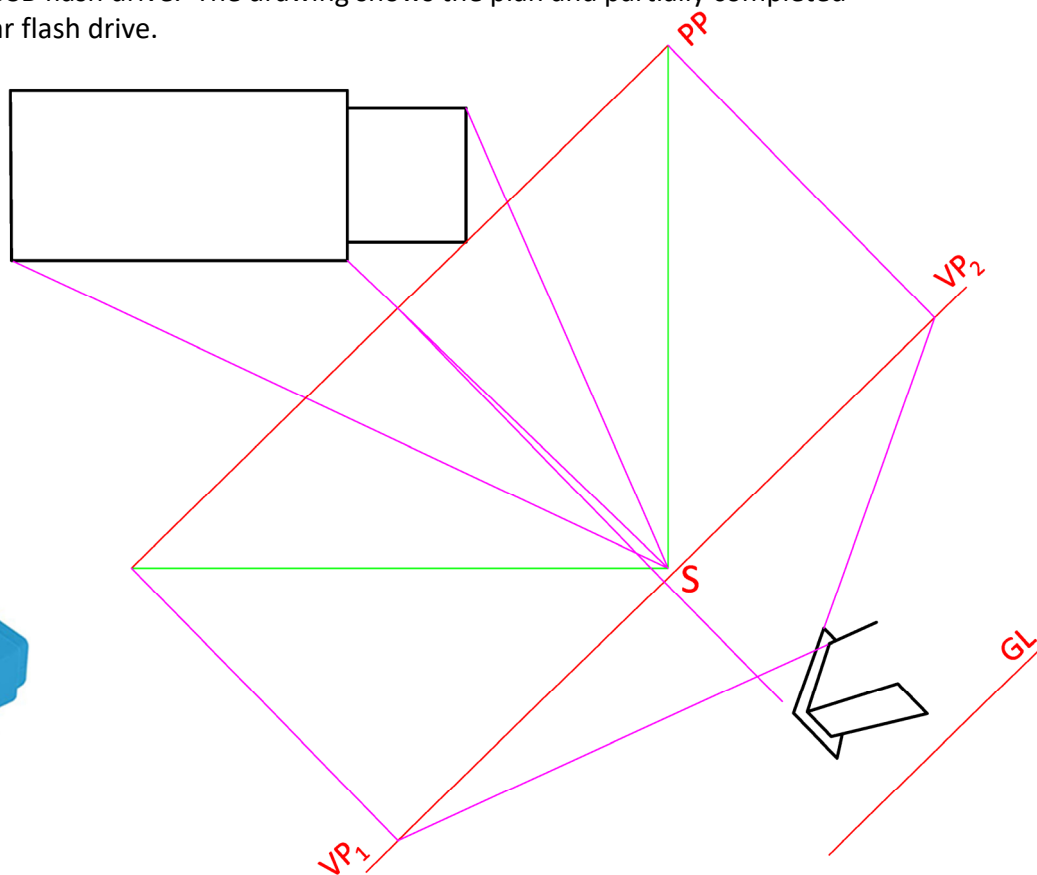
The drawing on the right shows the completed elevation, partially completed plan and partially completed end view of a similar pyramid.

- (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.

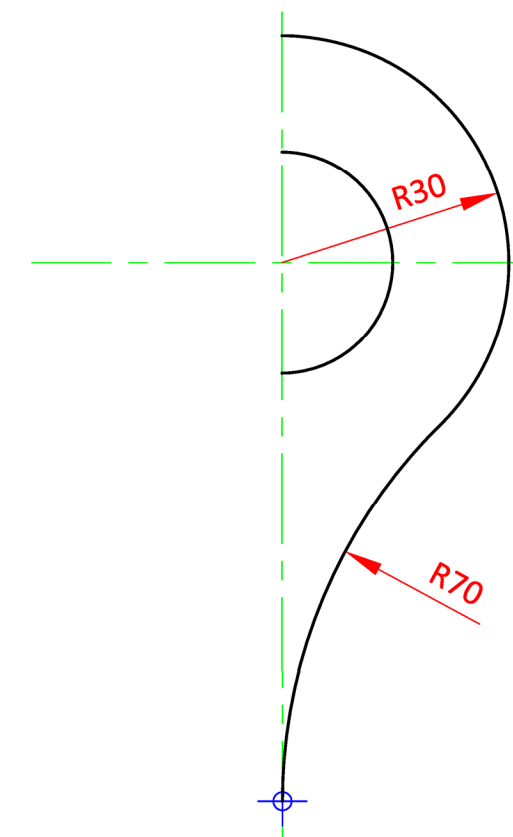
Complete the perspective drawing of the flash drive.



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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