# MME

## GCSE MATHEMATICS
AQA | Edexcel | OCR | WJEC

# 3D Shapes, Faces, Edges and Vertices

Please write clearly in block capitals

| Forename: |
|---|
| Surname: |

## Materials

For this paper you must have:
• mathematical instruments

You *can* use a calculator.

## Instructions

• Use black ink or black ball-point pen. Draw diagrams in pencil.
• Fill in the boxes at the top of this page.
• Answer all questions.
• You must answer the questions in the spaces provided. Do not write outside the box around each page or on blank pages.
• Do all rough work in this book. Cross through any work you do not want to be marked.

## Information

• The marks for questions are shown in brackets.
• You may ask for graph paper, tracing paper and more answer paper. These must be tagged securely to this answer book.
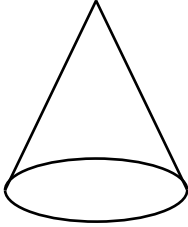
## Advice

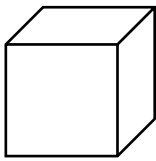• In all calculations, show clearly how you work out your answer.

**1**   There are 7 different 3D shapes below.

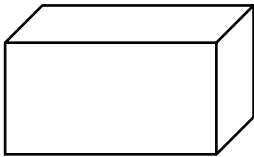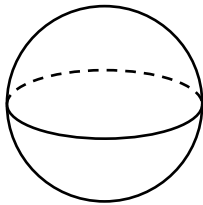Match the 3D shapes with it its correct name by drawing a line between them.
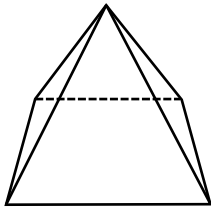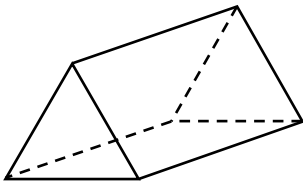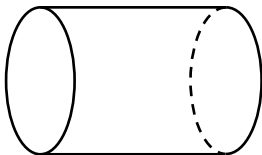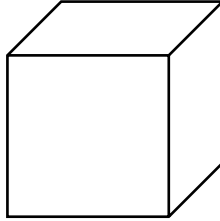
**[5 marks]**

Triangular prism

Cube

Sphere

Cone

Cuboid

Square-based
pyramid

Cylinder

5

Turn over ►

**2**    Give the number of faces, edges and vertices of the following shape

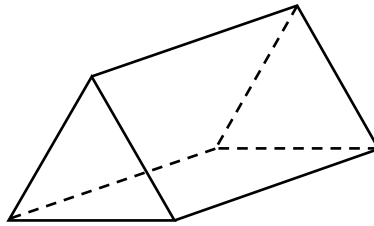**[3 marks]**



Faces: _____    Edges: _____    Vertices: _____

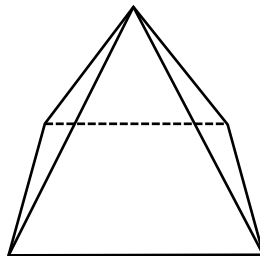**3**    Give the number of faces, edges and vertices of the following shape

**[3 marks]**



Faces: _____    Edges: _____    Vertices: _____

**4**    Give the number of faces, edges and vertices of the following shape

**[3 marks]**



Faces: _____    Edges: _____    Vertices: _____

**Turn over for next question**

9

Turn over ▶

**5** Give the number of faces, edges and vertices of the following shape

**[3 marks]**

Faces: _____ Edges: _____ Vertices: _____

**6** Give the number of faces, edges and vertices of the shape below:

**[3 marks]**

Faces: _____ Edges: _____ Vertices: _____

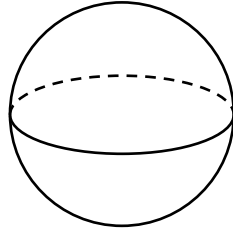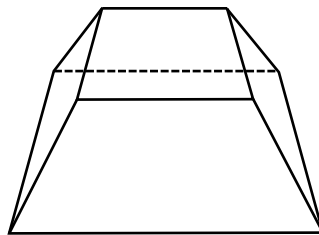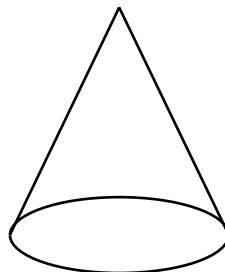**7** Give the number of faces, edges and vertices of the following shape

**[3 marks]**

Faces: _____ Edges: _____ Vertices: _____

**End of Questions**

9

END