

## BASIC GEOMETRY

Form 1 Regular Course  
Vol 4

### Part 4 – Polygon

1. C      2. C      3. . A

### Part 5 – Solid figure

1. (a) Sphere  
(b) Triangular prism  
(c) Cylinder  
(d) Rectangular pyramid  
(e) Pentagonal prism  
(f) Cone
2. B
3. B, C, D

### Part 6 – Cross section

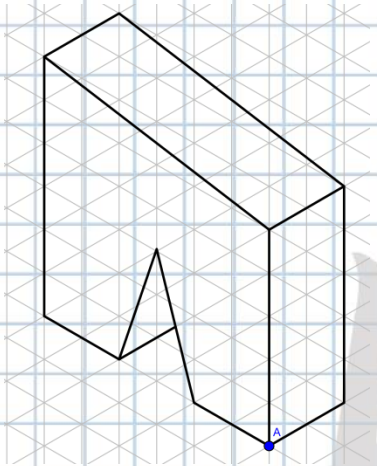
1. D  
2. A  
3. B  
4. A  
5. D  
6. D  
7. A

### Part 7 – Euler's Formula

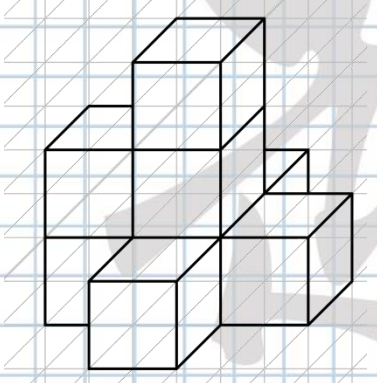
1. Number of vertices (V) = 12  
Number of faces (F) = 10  
Number of edges (E) = 20  
 $F + V - E = 10 + 12 - 20 = 2$ , therefore it satisfies Euler's formula.
2. C
3. Number of vertices (V) = 9  
Number of faces (F) = 9  
Number of edges (E) = 16

Part 8 – Drawing 3D figure

1.

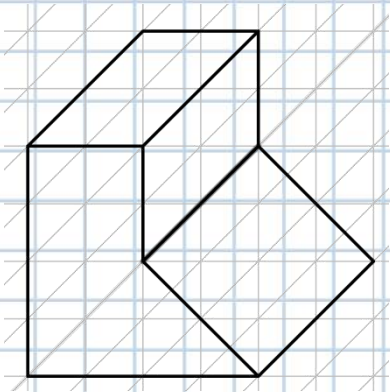


2.

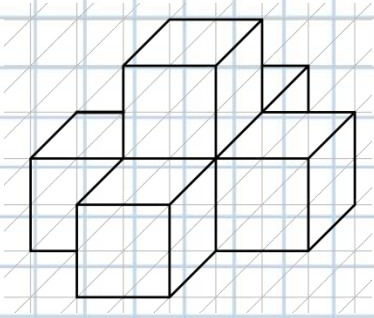


(Accept other answers)

3.



4.



(Accept other answers)

5.

