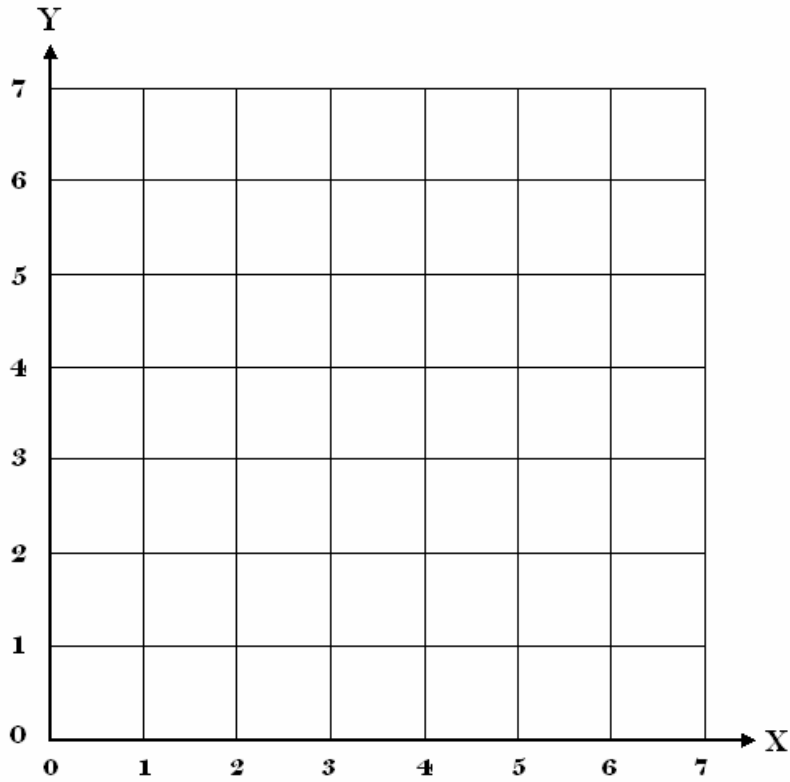


18)



(i) On the grid above, plot and label the points:
A (1,2) B (2,6) C (6,6) D (5,2) [4]

(ii) Join ABCD. [1]

(iii) What name is given to this shape?

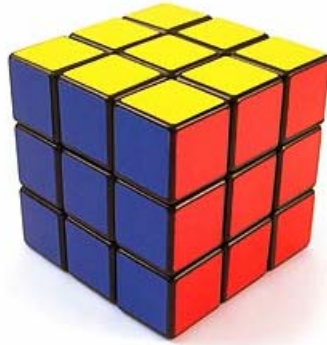
Answer: _____ [1]

(iv) Draw line BD. [1]

(v) Calculate the area of Triangle ABD.

Answer: _____ cm^2 [6]

19) A $3 \times 3 \times 3$ puzzle cube made from smaller cubes is shown below. It is painted on its six sides.



(i) How many small cubes are there altogether?

Answer: _____ [2]

(ii) The other three sides of the cube, which cannot be seen, are coloured green, orange and white. How many small cubes have three different coloured faces?

Answer: _____ [2]

(iii) How many small cubes would need to be added to produce a $4 \times 4 \times 4$ cube?

Answer: _____ [4]