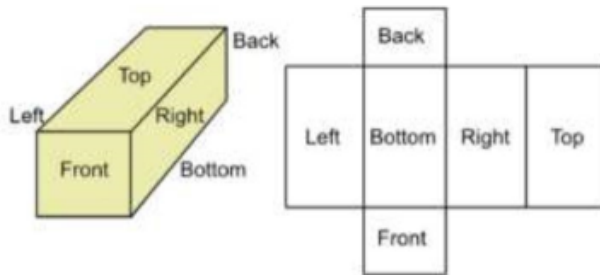




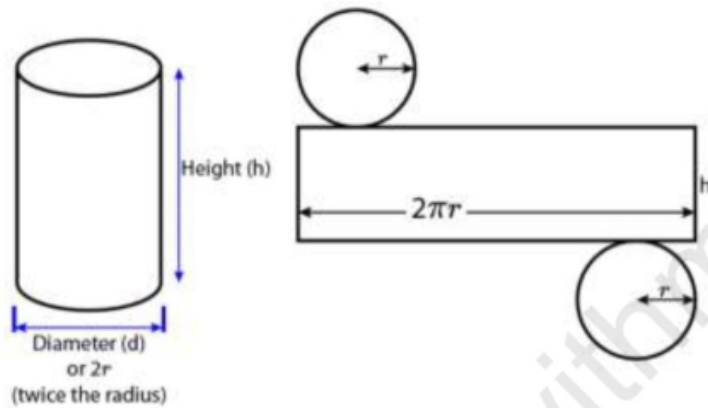
Net of cuboid



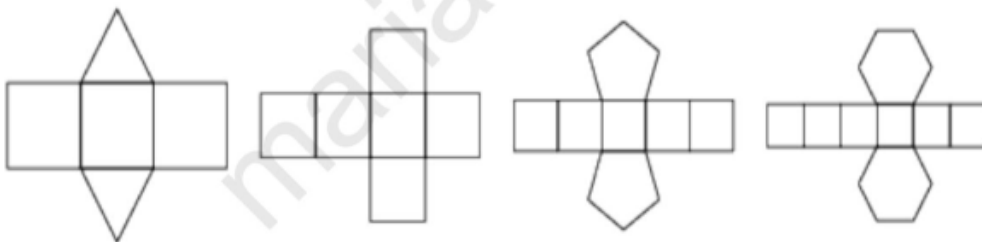
Net of Cube



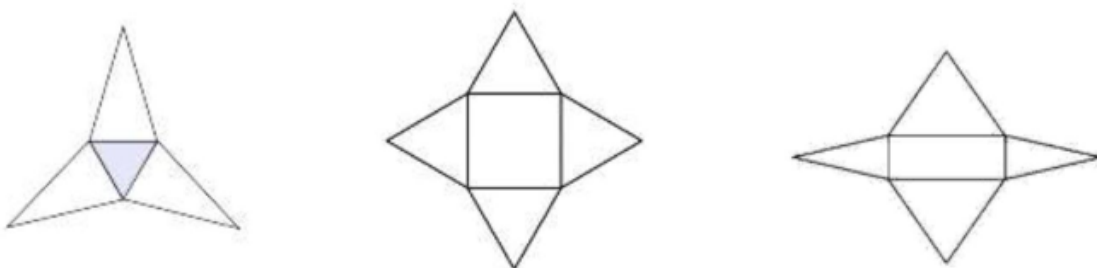
Net of Cylinder



Net of Prism



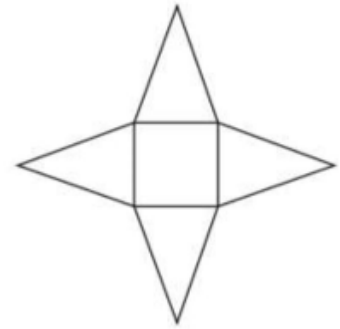
Net of Pyramid



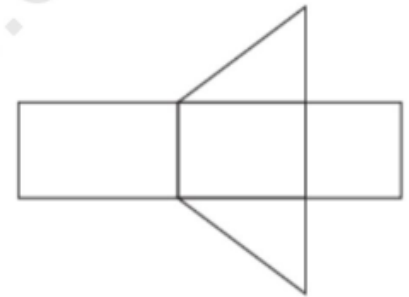
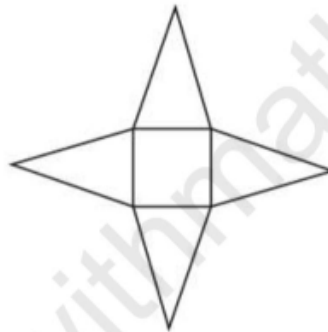
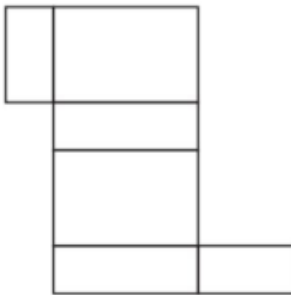


1. The diagram shows the net of a solid
- (a) What is the special mathematical name of the solid? [1]
- (b) For this solid, write down the number of vertices. [1]

4024/11/O/N/19 Q3)

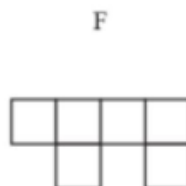
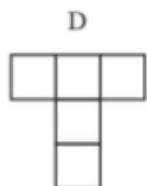
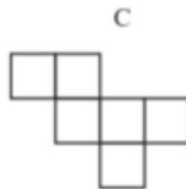
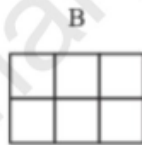
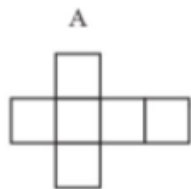


2. Write down the name of the solid formed from each net. [3]
- (a) (b) (c)



4024/12/O/N/21 Q4)

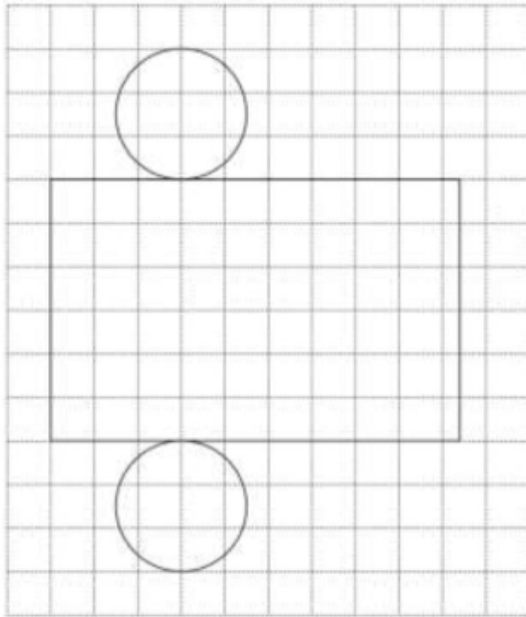
3. Write the letter of each drawing that is the net of a cube. [2]



4024/11/O/N/20 Q12)



4. The diagram shows the net of a solid drawn on a 1 cm grid



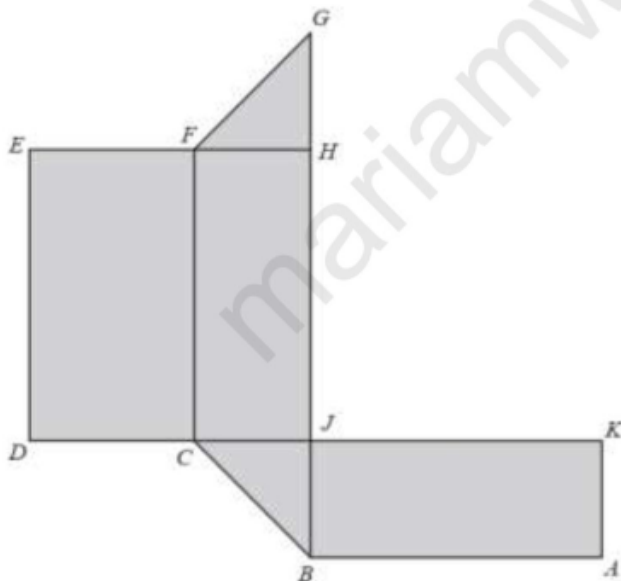
Name the solid formed by this net and describe fully the dimensions of this solid.

Name of solid

Dimensions [3]

4024/11/M/J/22 Q5)

5. This net is folded to make a triangular prism.



(a) Which vertices join with A ? [1]

(b) Which edge joins with DE ? [1]

(c) $FH = 2$ cm, $GH = 2$ cm and $JH = 5$ cm.

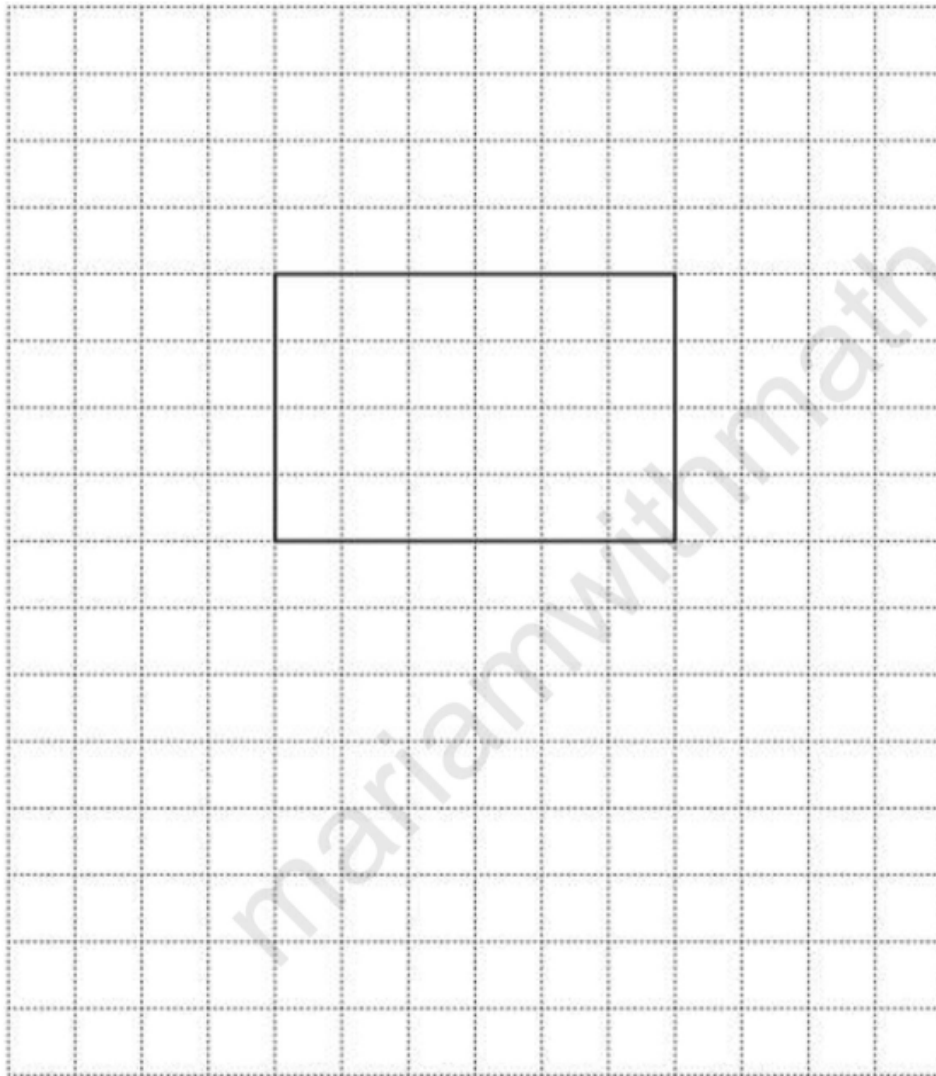
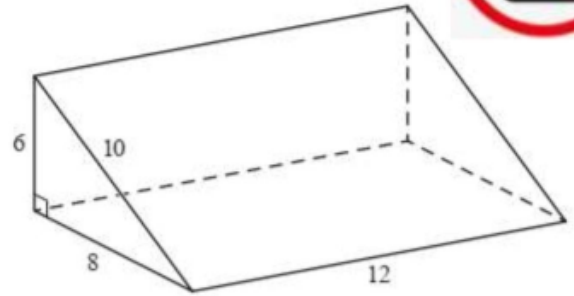
Find the volume of the triangular prism. [2]

4024/12/O/N/20 Q14)



6. The diagram shows a triangular prism of length 12cm. The cross section is a right-angled triangle with sides 6cm, 8cm and 10cm.

On the grid, draw a net of this prism.
Use a scale of 1 cm to represent 2cm.
One face has been drawn for you.



[2]

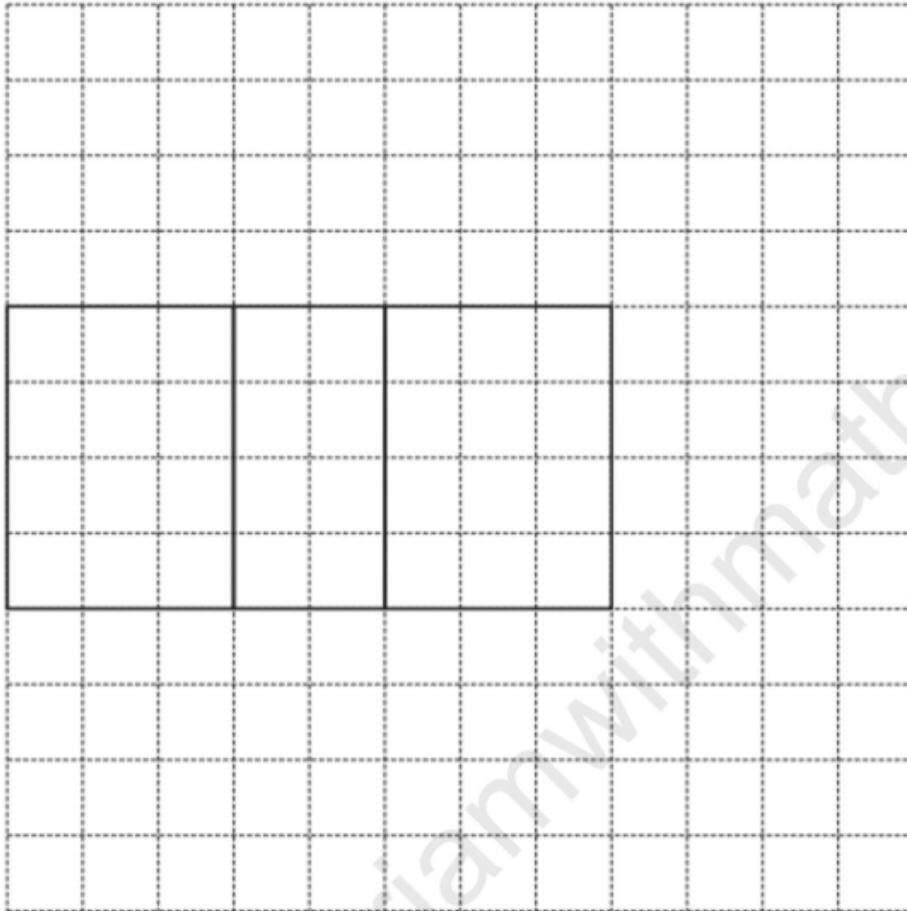
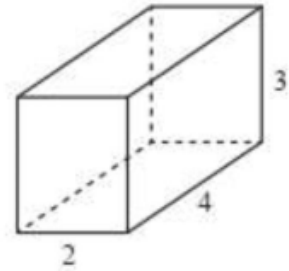


7. The diagram shows a closed box.

The box is a cuboid.

The measurements are in centimetres

On the grid below, complete an accurate drawing of the net of the box. Do not draw outside the grid



[2]

4024/11/O/N/18 Q10)



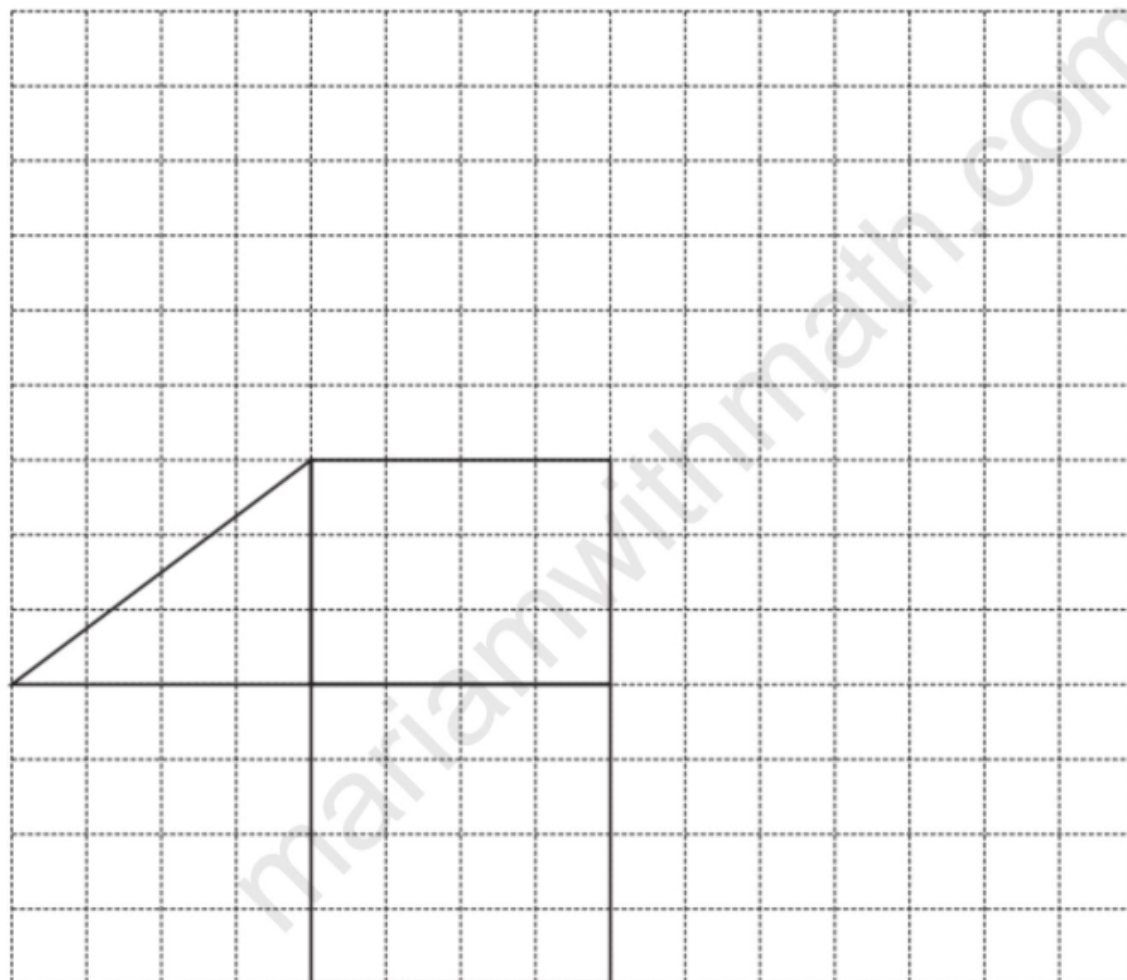
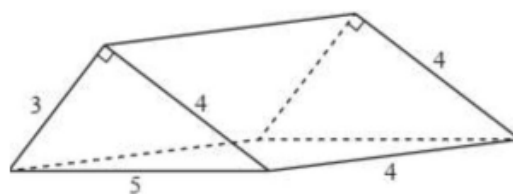
8. The diagram shows a triangular prism.

The measurements are in centimetres.

(a) On the grid below, complete the accurate drawing of a net of the prism.

Do not draw outside the grid. [2]

(b) Find the total surface area of the prism. [2]



[2]

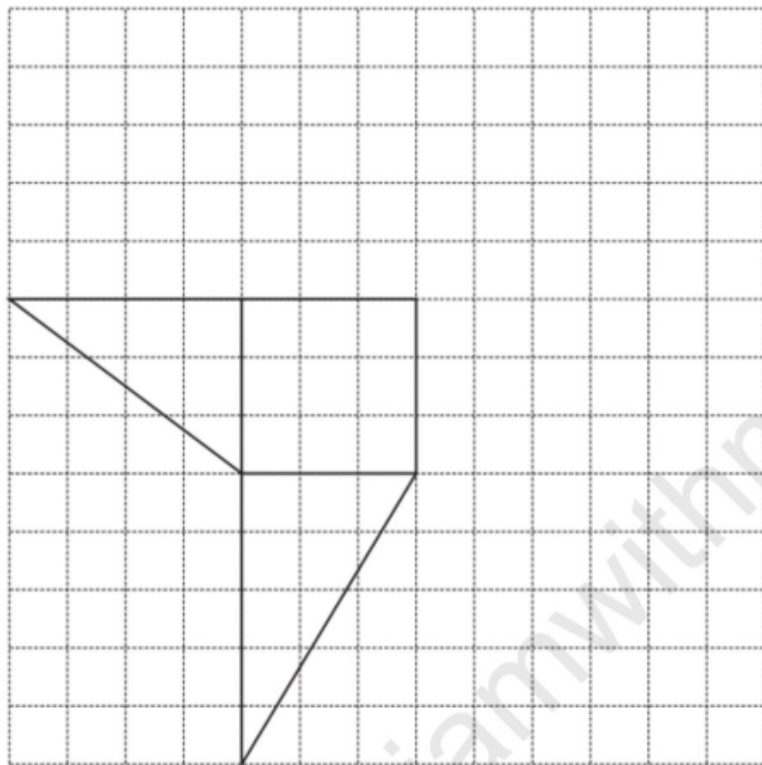
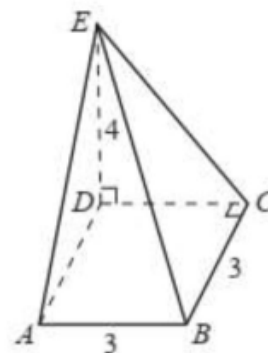


9. The diagram shows a pyramid.
The square base, ABCD, has an edge of 3cm.
The base is horizontal, and vertex E is vertically above D, where $ED = 4$ cm.

(a) On the grid below, complete the accurate drawing of a net of the pyramid. [2]

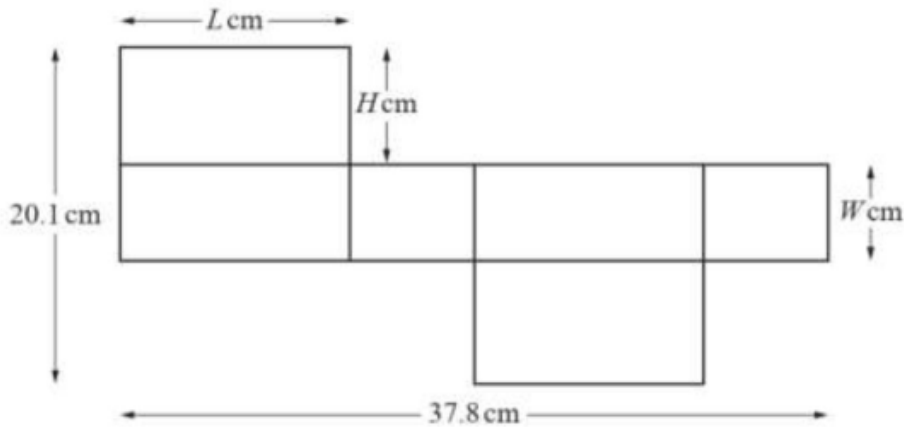
Do **not** draw outside the grid.

(b) Calculate the **total** surface area of the pyramid [2]



4024/12/M/J/18 Q17)

10. A cuboid has length L cm, width W cm and height H cm.



The diagram shows the net of this cuboid.

The ratio $W : L = 1 : 2$.

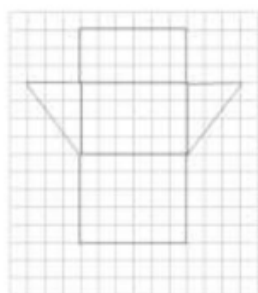
Find the value of L , the value of W and the value of H . [5]

0580/42/M/J/21Q8

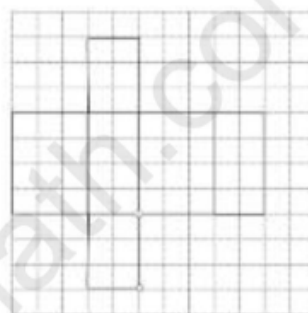
Answers

Q1) (a) [square-based] pyramid (b)5	Q6) Answer at the end
Q2) (a) cuboid (b)[square based]pyramid (c) [triangular]prism	Q7) Answer at the end
Q3) A , C , E	Q8) (a) Answer at the end (b)60
Q4) cylinder , $r = 1.5\text{cm}$, $h = 6\text{cm}$	Q9) (a) Answer at the end (b)36
Q5) (a) G and E (b) BA or AB (c) 10	Q10) 11.8 , 5.9, 7.1

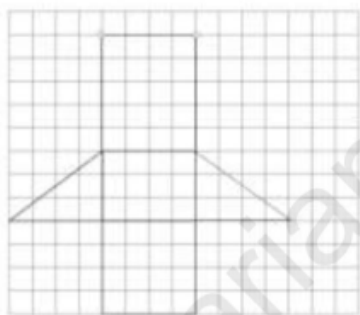
Answer Q6



Answer Q7)



Answer Q8)



Answer 9 (a)

