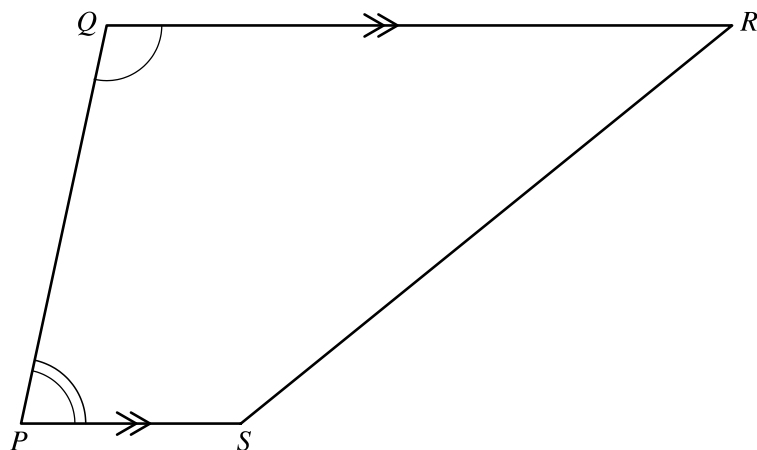


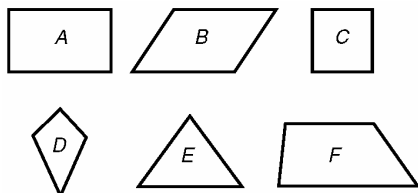
Question 1



- (a) i) Measure and write down the size of angle P .
ii) Write down the mathematical name for angle P . **(2 marks)**
- (b) i) Measure and write down the size of angle Q .
ii) Write down the mathematical name for angle Q . **(2 marks)**
- (c) Measure and write down the length of the line RS . **(1 mark)**
- (d) Mark, with an X, the point on PQ that is 2.4 cm from P . **(1 mark)**
- (e) Write down the mathematical name given to the four sided shape $PQRS$. **(1 mark)**

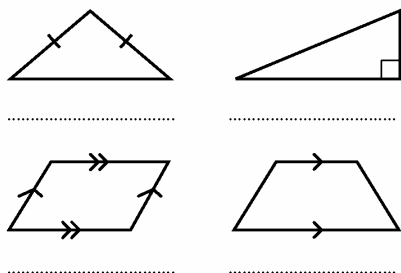
Question 2

Explain how shape *E* is different from the other shapes.



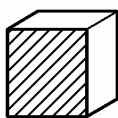
Question 3

Write down the mathematical name of each of the following shapes.

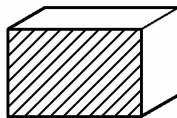


Question 4

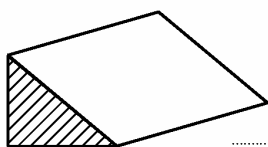
Write down the mathematical name of each of the following solid shapes.



.....



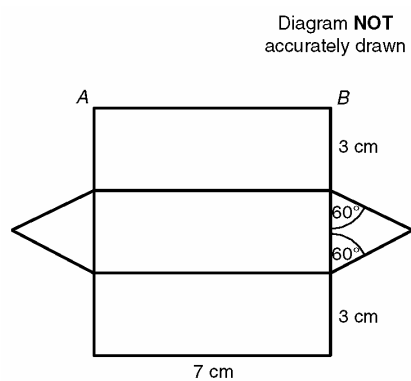
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Question 5

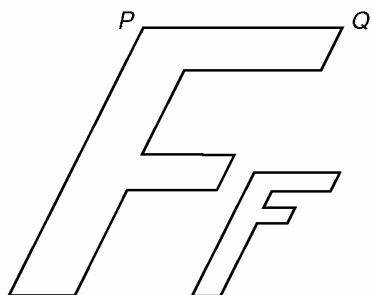
Here is a net of a prism.



- (a) Mark, with a P , a line that is parallel to the line AB .
- (b) Mark, with an X , a line that is perpendicular to the line AB .
- (c) Make an accurate drawing of the net.
- (d) Sketch the prism.

Question 6

PQ is a horizontal line.

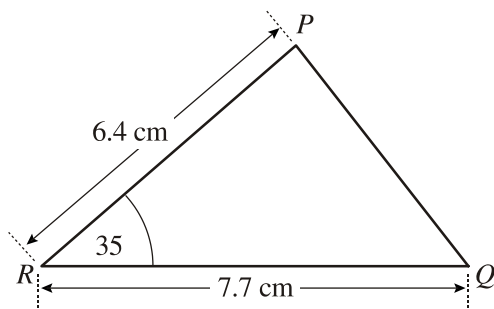


On the diagram above mark

- (a) a different horizontal line with a letter H
- (b) an acute angle with a letter A
- (c) an obtuse angle with a letter O .

Question 7

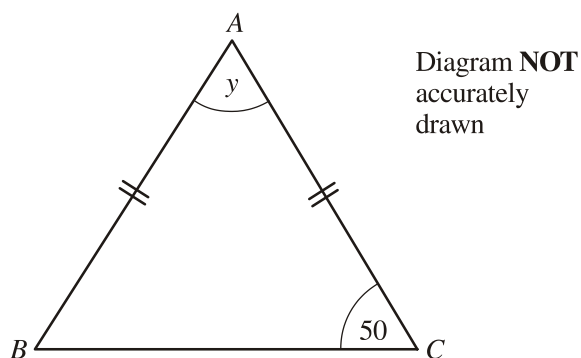
Here is a sketch of a triangle.
Diagram **NOT** accurately drawn



$PR = 6.4 \text{ cm}$
 $QR = 7.7 \text{ cm}$
Angle $R = 35^\circ$

- (a) In the space below make an accurate drawing of the triangle. **(4 marks)**
(b) Measure the size of angle Q on your accurate drawing. **(1 mark)**

Question 8



In triangle ABC , $AB = AC$ and angle $C = 50^\circ$.

- (a) Write down the special name for triangle ABC .
(b) Work out the value of y .

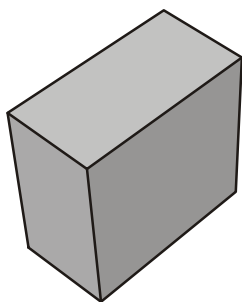
(1 mark)

(2 marks)

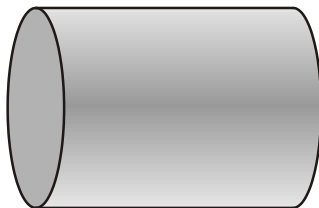
Question 9

(a) Write down the mathematical name of each of these three dimensional shapes.

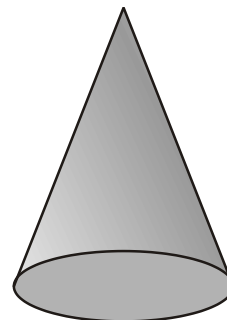
(i)



(ii)

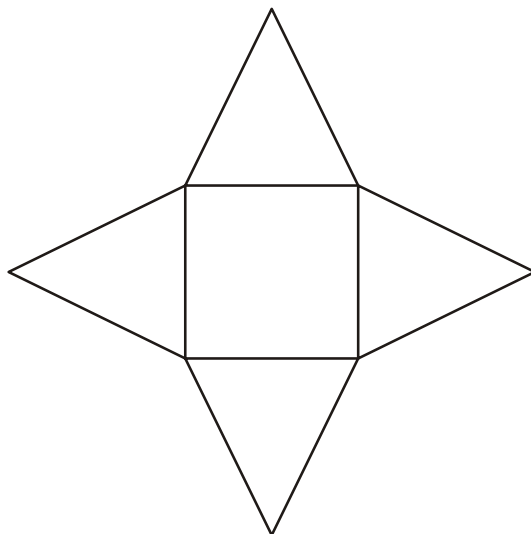


(iii)



(3 marks)

(b) Here is the net of a three dimensional shape.



Write down the mathematical name of the three dimensional shape.

(1 mark)

Question 10

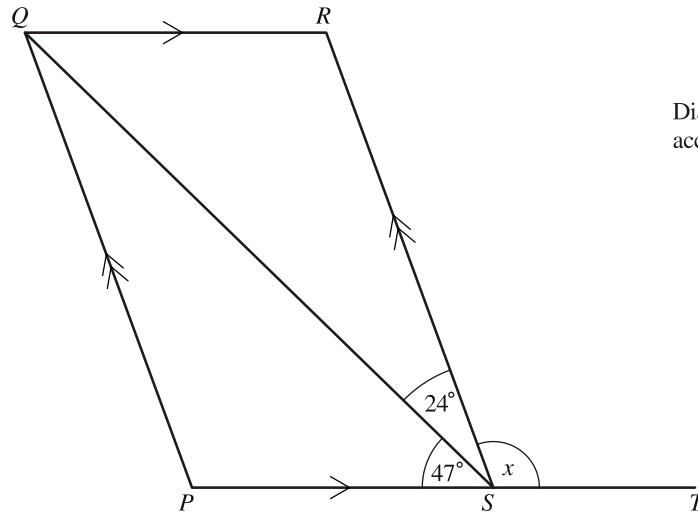


Diagram **NOT**
accurately drawn.

PQRS is a parallelogram.

$$\text{angle } QSP = 47^\circ$$

$$\text{angle } QSR = 24^\circ$$

PST is a straight line.

- (a) (i)** Find the size of the angle marked x .

$$x = \dots\dots\dots^\circ$$

- (ii)** Give a reason for your answer.

(2 marks)

- (b) (i)** Work out the size of angle PQS .

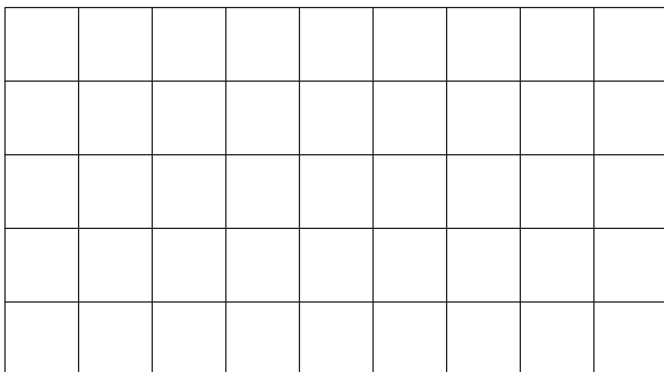
$$\text{Angle } PQS = \dots\dots\dots^\circ$$

- (ii)** Give a reason for your answer.

(2 marks)

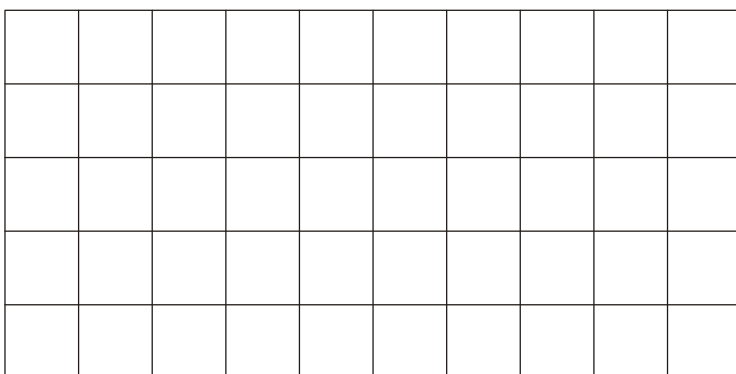
Question 11

(a) On the grid below draw a kite.



(1 mark)

(b) On the grid below draw a parallelogram which is not a rectangle.



(1 mark)

Question 12

The diagram shows a regular hexagon.

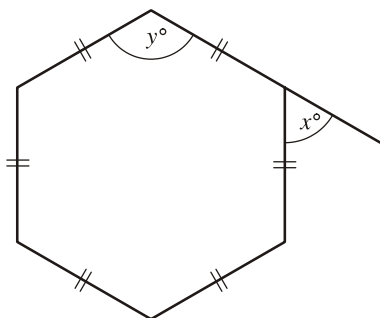


Diagram **NOT**
accurately drawn.

(a) Work out the value of x .

(2 marks)

(b) Work out the value of y .

(1 mark)