

GL_Familiarisation_Paper_1

Personalised Question Booklet for Sample Parent

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Topic 1: Positive Coordinates

Topic 2: Shading Fractions of Shapes

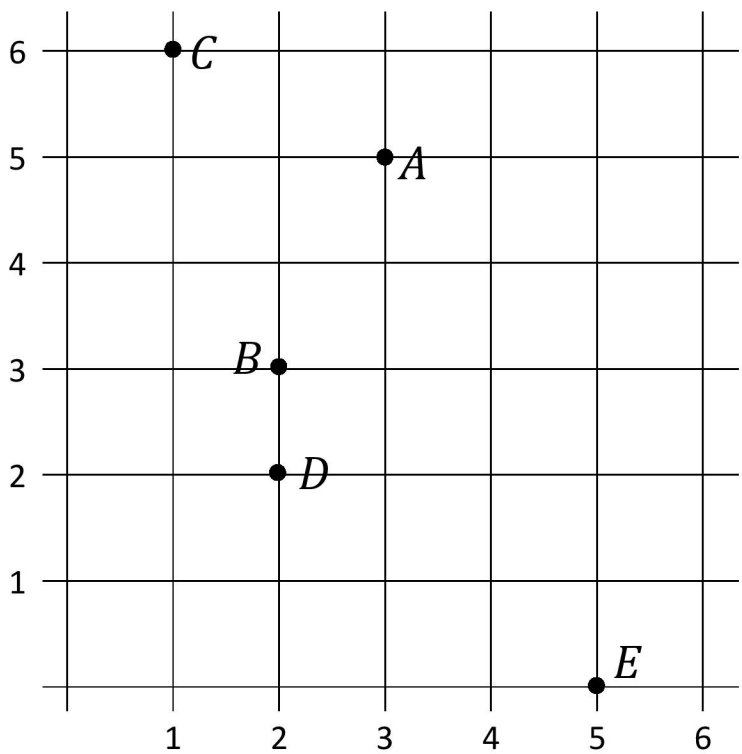
Topic 3: 12 and 24 Hour Time

Topic 4: Everyday Measures

Topic 5: Properties of 2D Shapes

1) Positive Coordinates Easier

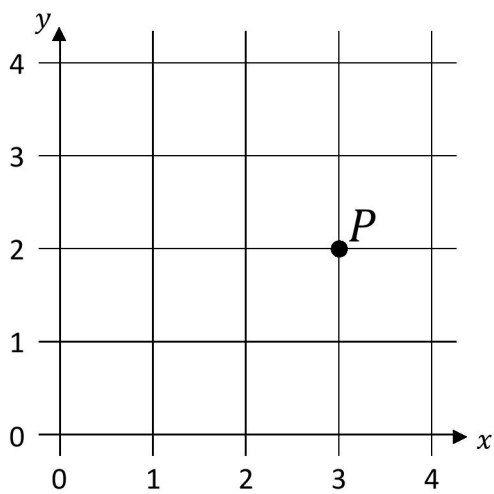
1) Fill in the missing coordinates for the points shown on the coordinate grid.



$A(3, 5)$ $B(\square, 3)$ $C(1, \square)$
 $D(\square, \square)$ $E(\square, \square)$

(4 Marks)

2)



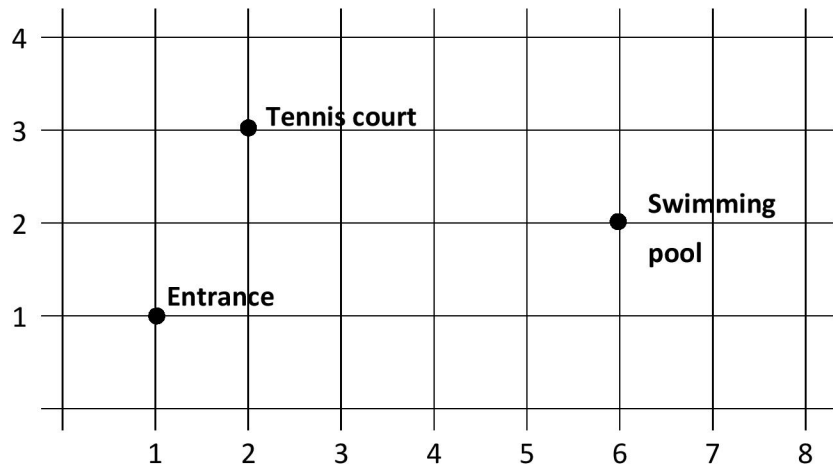
What are the coordinates of P ?

$A(1, 3)$ $B(2, 3)$ $C(2, 3)$ $D(3, 2)$ $E(4, 0)$

(1 Mark)

1) Positive Coordinates Medium

3) The grid shows a camp site.

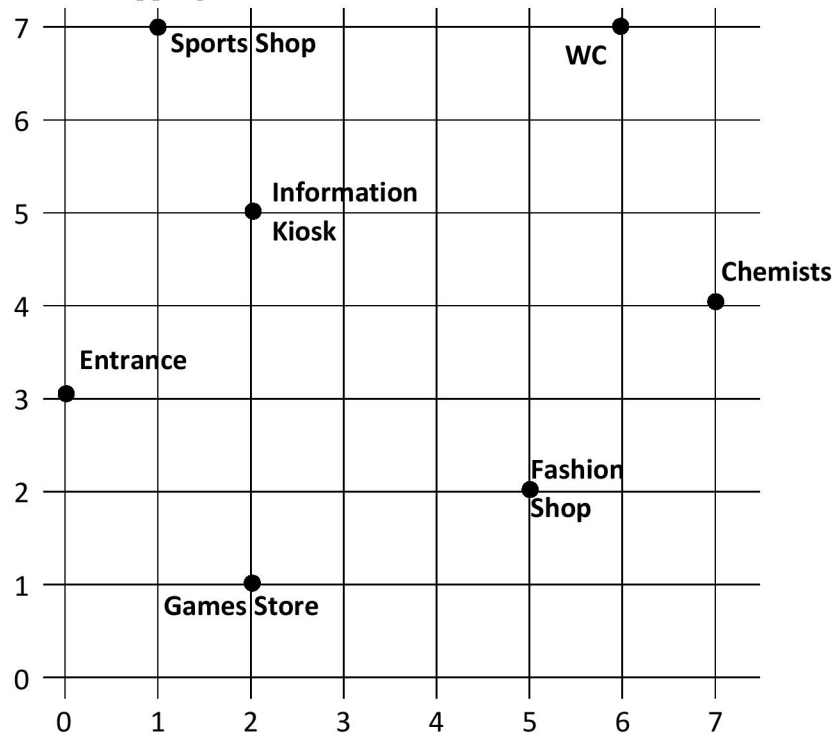


Where is the tennis court?

- A (1 , 1) B (3 , 3) C (2 , 3) D (3 , 2) E (2 , 6)

(1 Mark)

4) The grid shows a shopping centre.



Which coordinates are the Chemists and Fashion shops at?

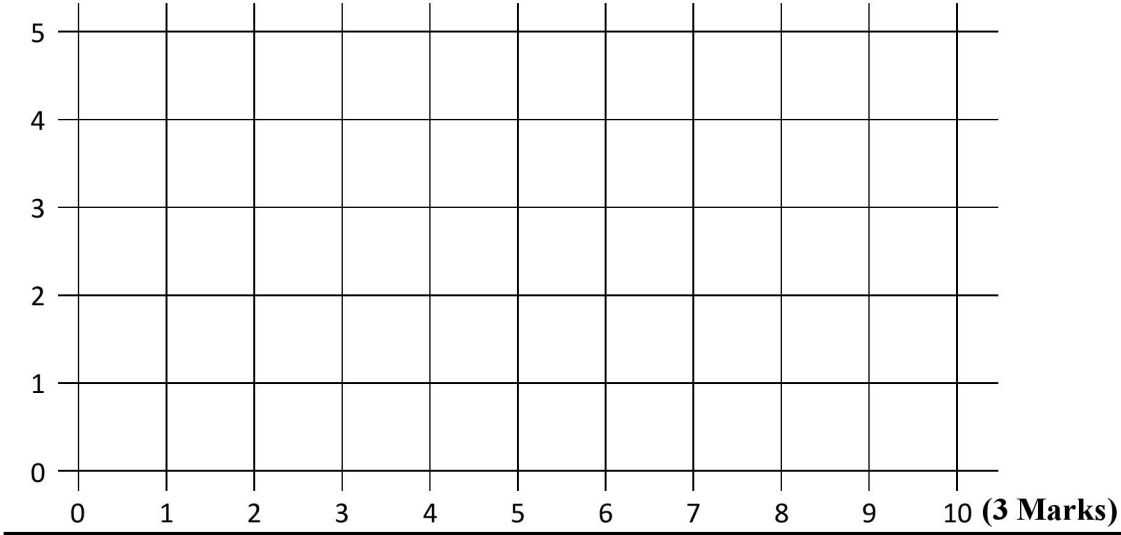
- A (7 , 4) , (3 , 0) B (7 , 4) , (2 , 5) C (7 , 4) , (5 , 2)
D (4 , 7) , (2 , 5) E (4 , 7) , (5 , 2)

(1 Mark)

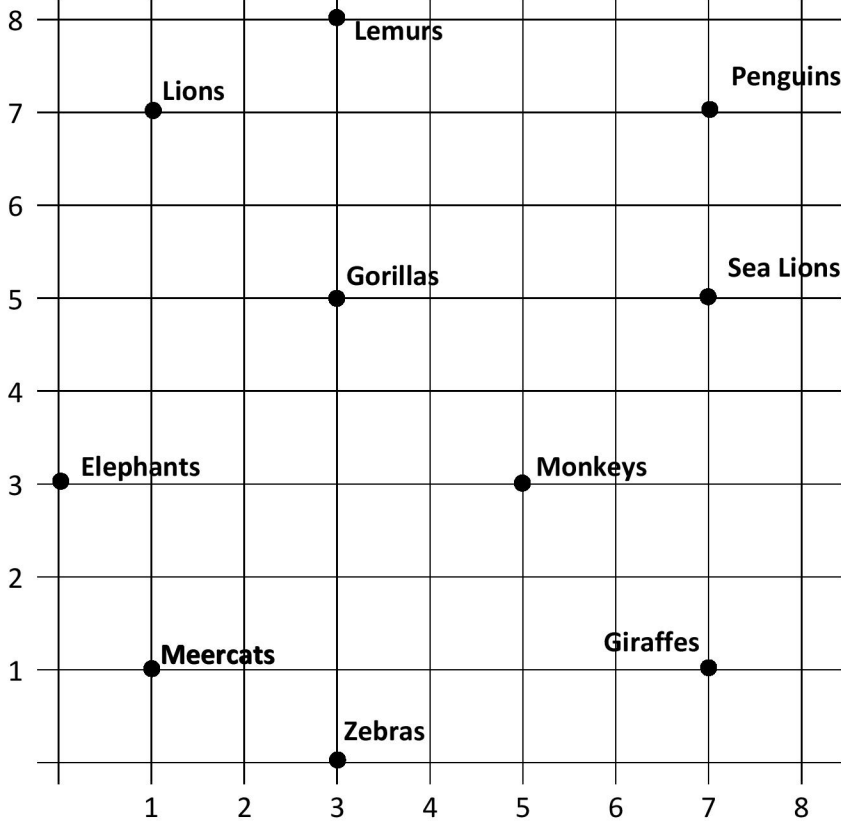
1) Positive Coordinates Harder

5) Plot and label the following coordinates on the coordinate grid.

$P(1, 2)$ $Q(6, 1)$ $R(10, 0)$



6) The coordinate grid show a zoo.

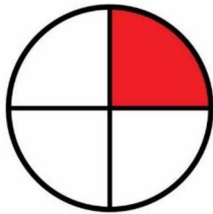
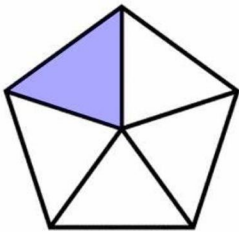
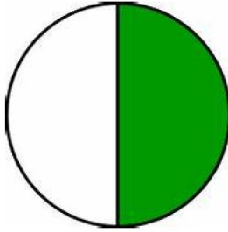
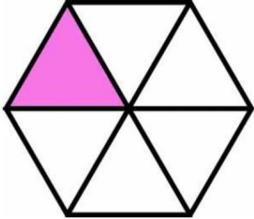


Name the animals at these coordinates: $(5, 3)$, $(1, 7)$, $(3, 0)$

- A Monkeys, Lions, Zebras B Monkeys, Giraffes , Elephants
C Gorillas, Giraffes, Elephants D Monkeys, Lions, Elephants
E Monkeys, Lions, Penguins

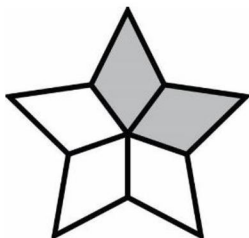
2) Shading Fractions of Shapes Easier

1) Match each shape to the fraction that is shaded.

	◦	$\frac{1}{2}$
	◦	$\frac{1}{6}$
	◦	$\frac{1}{5}$
	◦	$\frac{1}{4}$

(3 Marks)

2)

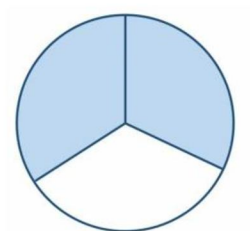


What fraction of this whole shape is shaded?

- A $\frac{2}{3}$ B $\frac{1}{5}$ C $\frac{3}{5}$ D $\frac{2}{5}$ E $\frac{2}{4}$

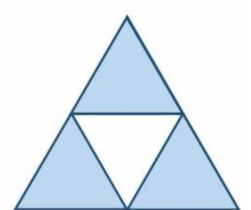
2) Shading Fractions of Shapes Medium

3) Match each shape to the fraction that is shaded.



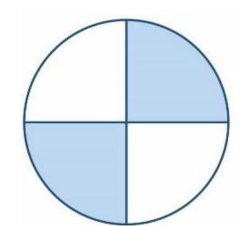
○

○ $\frac{3}{4}$



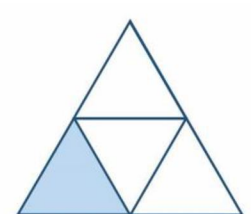
○

○ $\frac{1}{2}$



○

○ $\frac{2}{3}$

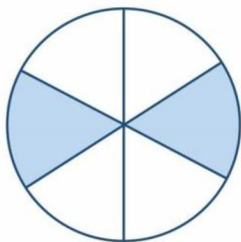


○

○ $\frac{1}{4}$

(3 Marks)

4)



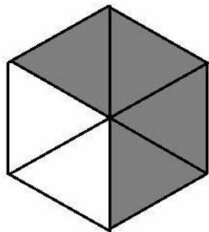
What fraction of this whole shape is shaded?

- A $\frac{2}{5}$ B $\frac{1}{3}$ C $\frac{1}{2}$ D $\frac{2}{7}$ E $\frac{2}{4}$

2) Shading Fractions of Shapes Harder

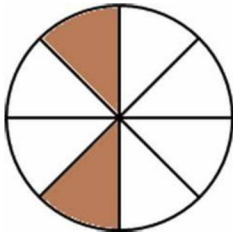
5) Write down the fraction of each shape that has been shaded.
Give your answer in it's simplest form.

a)



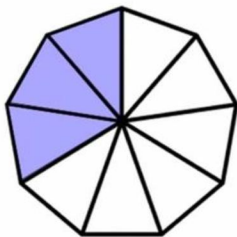
_____ (1 Mark)

b)



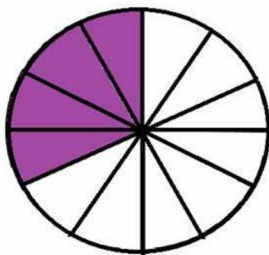
_____ (1 Mark)

c)



_____ (1 Mark)

6) The diagram shows a circle divided into equal parts.



Which of the following does **not** represent the fraction of the circle that is shaded?

- A $\frac{4}{12}$ B $\frac{1}{3}$ C $\frac{2}{10}$ D $\frac{2}{6}$ E $\frac{8}{24}$

_____ (1 Mark)

3) 12 and 24 Hour Time Easier

1) Fill in the missing words.

There are 60 in an hour and 24 in a day.

(2 Marks)

2) Fill in the missing clock times.

12 hour clock	24 hour clock
10:00 AM	
	11:00
12:00 PM	12:00
	13:00
2:00 PM	
3:00PM	
	16:00

(4 Marks)

3) Fill in the missing clock times

12 hour clock	24 hour clock
7:25 AM	
	19:45
	05:13
11:06 PM	

(4 Marks)

3) 12 and 24 Hour Time Medium

- 4) Which of the following digital clock times show that it is **quarter past nine in the evening**?

A 09:25 B 21:25 C 19:15 D 21:15 E 09:25

(1 Mark)

- 5) When Tina first reads her clock it says 17:35

a) What is the time using the 12 hour clock system?

(1 Mark)

Tina waits for half an hour. She then looks at the clock a second time.

b) Which of the following times does she see?

A 18:35 B 18:05 C 17:55 D 06:05 E 17:65

(1 Mark)

- 6) Which of the following digital clock times **do not** show that it is **quarter to four**?

A 03:45 B 3:45 AM C 15:45 D 3:45 PM E 13:45

(1 Mark)

- 7) The time in London is 11:15 PM.

London is 2 hours behind Moscow.

Which of the following is the time in Moscow?

A 12:15 AM B 1:15 AM C 1:15 PM D 9:15 PM E 9:15 AM

(1 Mark)

3) 12 and 24 Hour Time Harder

- 8) Billy is in London and his clock reads 09: 25.

Sanjeet lives in Delhi. Time in Delhi is 4.5 hours ahead of time in London.

Which of the following is the time in Delhi?

- A 13: 25 B 01: 55 C 1: 55 AM D 01: 35 E 13: 55

(1 Mark)

- 9) Tia goes to sleep at 21: 47.

She sleeps for 8 hours and 25 minutes.

At which of the following times does wake up?

- A 05: 12 B 06: 12 C 05: 59 D 06: 02 E 18: 12

(1 Mark)

- 10) Xabi get on a train at 11: 23 AM.

He arrives at his destination at 3: 11 PM.

How long does his journey last?

- A 3 hours 34 mins B 4 hours 12 mins C 4 hours 48 mins
D 3 hours 48 mins E 4 hours 2 mins

(1 Mark)

- 11) A flight departs London at 17: 49, bound for Poznan and flies for 3 hours and 22 minutes.

Poznan is 1 hour ahead of London.

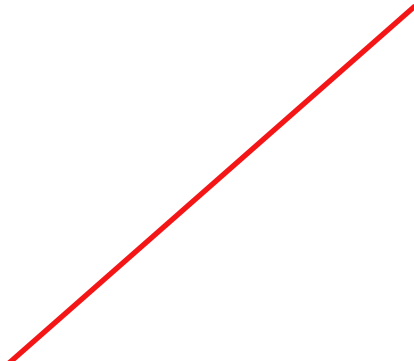
Calculate the arrival time of the plane in Poznan.

(2 Marks)

4) Everyday Measures Easier

1) Match each item to the amount it is most likely to weigh. The first has been done for you.

A feather	■	■	80 kg
A car	■	■	215 g
A person	■	■	0.08 g
A brick	■	■	1 300 kg
An apple	■	■	2 000 g

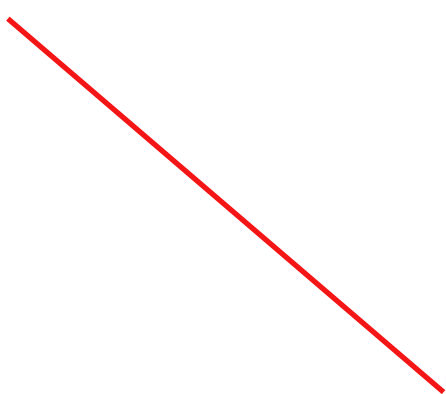


(3 Marks)

2) Match each type of container to the amount it is most likely to be able to hold when full.

The first has been done for you

A teaspoon	■	■	350 litres
A bathtub	■	■	250 ml
A teapot	■	■	10 litres
A bucket	■	■	5 ml
A mug	■	■	1.3 litres



(3 Marks)

4) Everyday Measures Medium

3) About how much water can an ordinary glass hold?

- A 4 millilitres B 40 millilitres C 400 millilitres
D 4 litres E 40 litres

(1 Mark)

4) Roughly how much does a banana weight?

- A 0.3 grams B 3 grams C 30 grams
D 300 grams E 3 kilograms

(1 Mark)

5) Which of the following items can hold about 300 litres?

- A A bath B A spoon C A swimming pool
D A tea cup E A barrel

(1 Mark)

6) Roughly how tall is a normal chair?

- A 8 mm B 8 cm C 80 cm D 8 m E 80 km

(1 Mark)

4) Everyday Measures Harder

- 7) Louis has a litre of liquid.

He needs a container for it.

Which of the following containers best suits his needs?

- A A glass B A bucket C A mug
D An eggcup E A flask

(1 Mark)

- 8) Belle is packing her bag with her things for school.
She has her lunch including a sandwich, an apple and a small bottle of water.
She also has her waterproof and her pencil case with pens and pencils inside.

Roughly how much is her packed bag likely to weigh?

- A 2.5 g B 2.5 kg C 25 kg D 25 g E 250 kg

(1 Mark)

- 9) Tina is measuring the length of her schools playing field with a measuring wheel.



Which of the following lengths is most likely to be her measurement?

- A 40 mm B 40 km C 400 cm D 40 m E 4000 mm

(1 Mark)

5) Properties of 2D Shapes Easier

1) Match the names of 2-D shapes to the number of sides each has.
The first has been done for you.

1

3

5

7

Triangle

Pentagon

Quadrilateral

Octagon

2

4

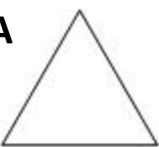
6

8

(3 Marks)

2) Here are some shapes

A



equilateral triangle

B



isosceles triangle

C



rectangle

D



square

Complete the table. Each shape should be used only once.

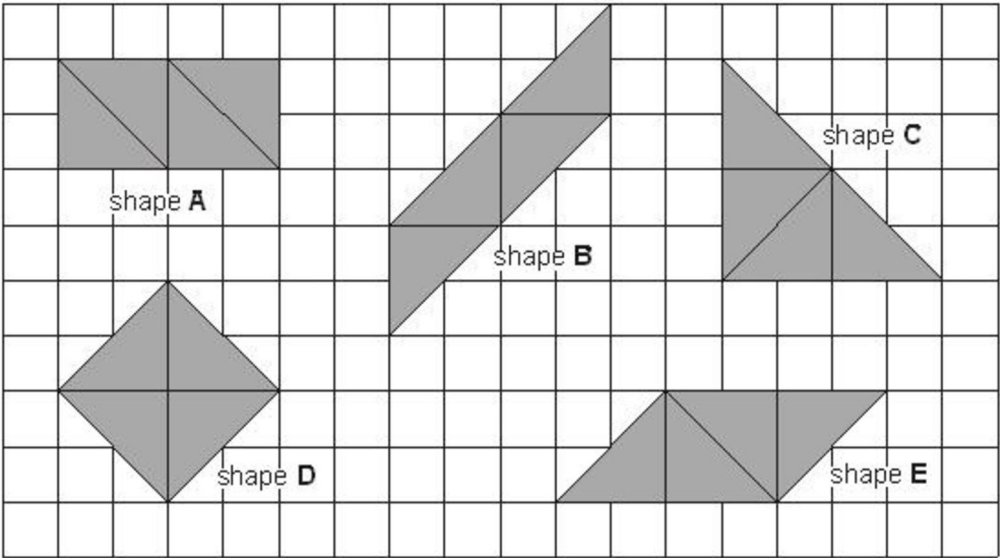
Property	Letter of Shape
It has exactly 1 line of symmetry	
It has no right angles	
All the sides are equal	
It has 4 right angles	

(3 Marks)

5) Properties of 2D Shapes

Medium

3) Some shapes have been draw on a grid



a) Which shape has all equal sides?

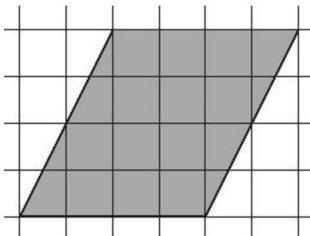
A B C D E

b) Which of these solids is not a quadrilateral?

A B C D E

(2 Marks)

4) Look at the shaded shape on the grid. Tick true or false for each statement.



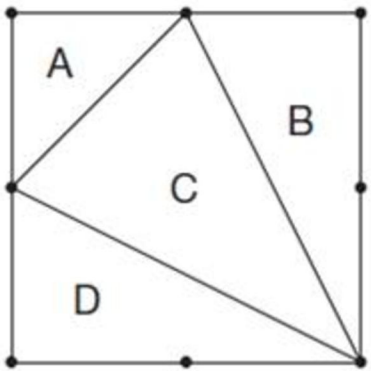
- The shaded shape is a quadrilateral.
- The shaded shape has four equal sides.
- The shaded shape has four equal angles.
- The shaded shape has two pairs of parallel sides.

True	False
☐	☐
☐	☐
☐	☐
☐	☐

(4 Marks)

5) Properties of 2D Shapes Harder

5) The diagram shows a square divided into 4 triangles



a) Circle **all** of the letters of triangles that have a right angle.

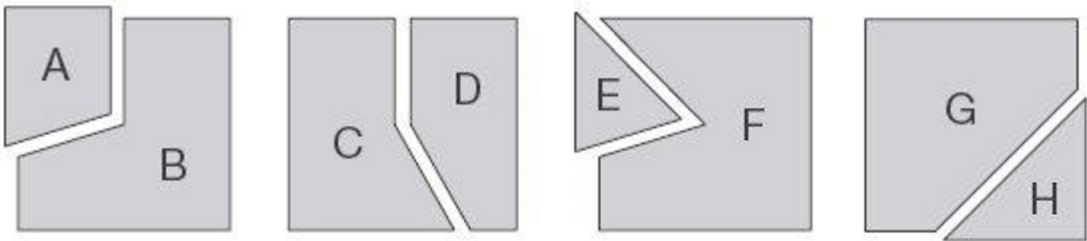
A B C D

b) Circle **all** of the letters of triangles that have two equal sides.

A B C D

(2 Marks)

6) Some squares have been cut into new shapes.



a) Circle **all** of the letters of shapes that are quadrilateral

A B C D E F G H

b) Circle **all** of the letters of shapes that are pentagons

A B C D E F G H

c) Circle **all** of the letters of shapes that are hexagons

A B C D E F G H

(3 Marks)