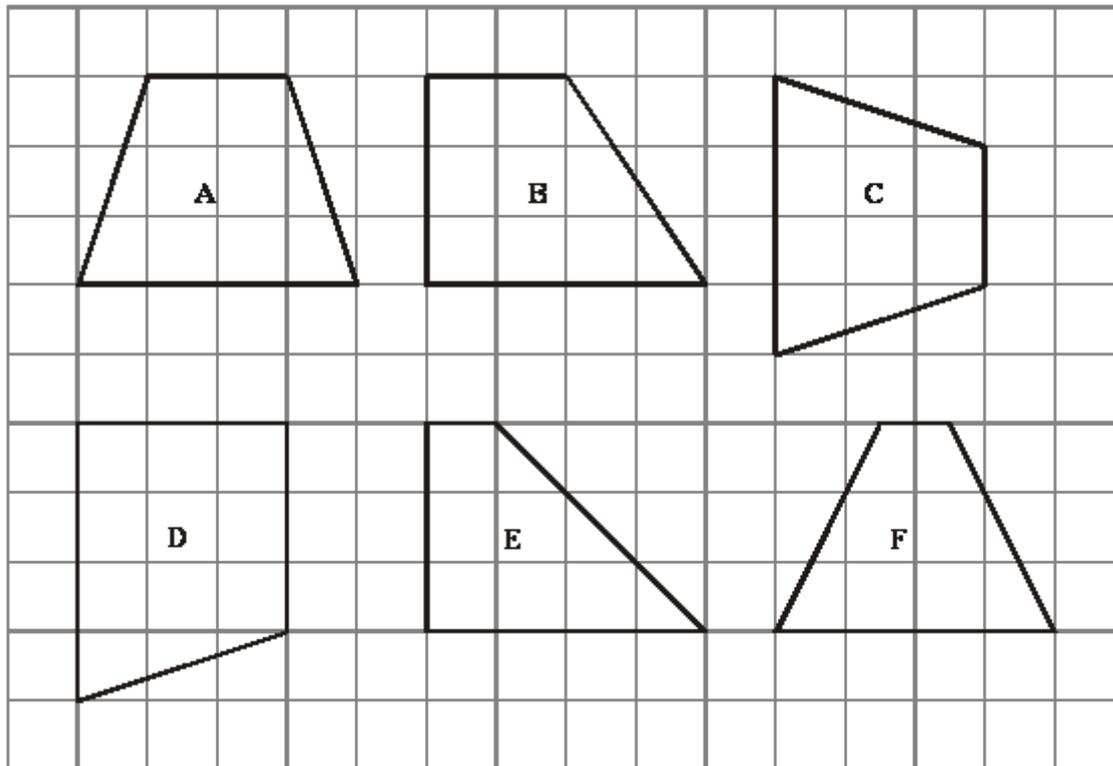


**Q1.** Here are 6 shapes drawn on a grid.



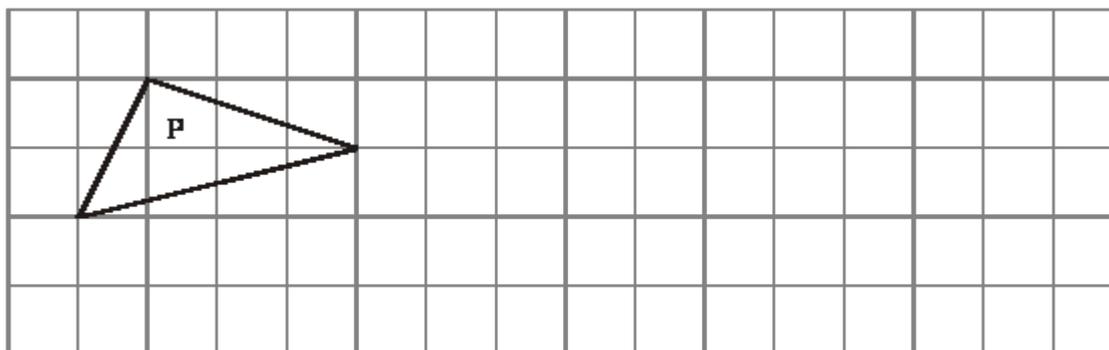
Two of these shapes are congruent.

(a) Write down the letters of these two shapes.

..... and .....

(1)

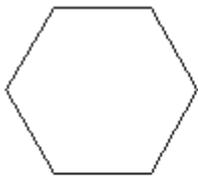
(b) On the grid below, draw a shape that is congruent to shape **P**.



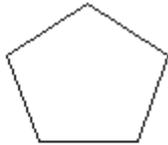
(1)

(Total 2 marks)

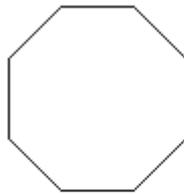
**Q2.** Here are 8 polygons.



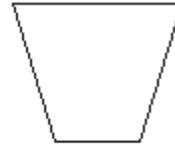
**A**



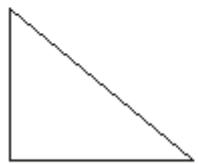
**B**



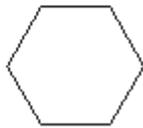
**C**



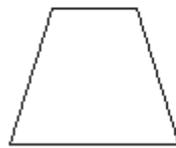
**D**



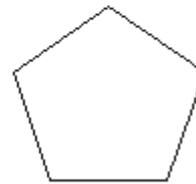
**E**



**F**



**G**



**H**

(a) Write down the mathematical name for shape **A**.

.....

(1)

(b) Write down the letter of the shape that is an octagon.

.....

(1)

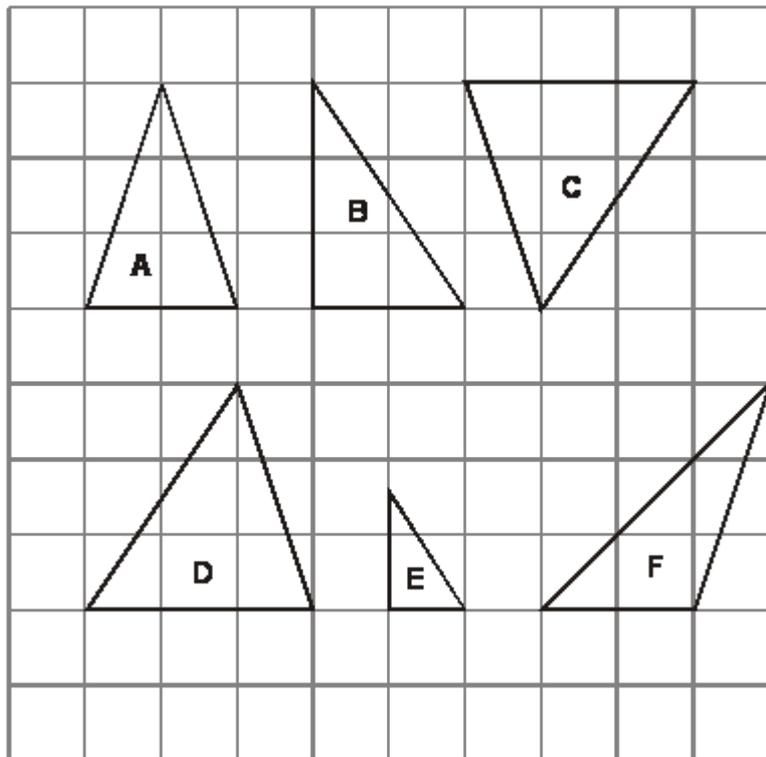
(c) Write down the letters of the pair of congruent shapes.

..... and .....

(1)

(Total 3 marks)

**Q3.** These triangles have been drawn on a centimetre grid.



(a) Write down the letters of the **two** triangles that are congruent.

..... and .....

(1)

(b) Write down the letters of **two different** triangles that are similar.

..... and .....

(1)

(c) Find the area of triangle **D**.

.....

(1)  
(Total 3 marks)

M1.

	Answer	Mark	Additional Guidance
(a)	A and C	1	<b>B1</b> c for A and C or C and A
(b)	Shape drawn	1	<b>B1</b> for correct shape, any orientation or reflection, $\pm 2$ mm
<b>Total for Question: 2 marks</b>			

M2.

	Working	Answer	Mark	Additional Guidance
(a)		Regular hexagon	1	<b>B1</b> (accept hexagon)
(b)		D	1	<b>B1</b> cao
(c)		D and G	1	<b>B1</b> for both, in any order
<b>Total for Question: 3 marks</b>				

M3.

	Working	Answer	Mark	Additional Guidance
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(a)		C and D	1	<b>B1</b> cao
(b)		B and E	1	<b>B1</b> cao
(c)		4.5 cm <sup>2</sup>	1	<b>B1</b> cao
<b>Total for Question: 3 marks</b>				

**E1.** Writing down the correct letters of the two shapes that were congruent resulted in a 79% success rate for part (a). Use of tracing paper would have ensured accuracy.

In part (b) there appeared to be a fairly good understanding of the word 'congruent' with just over half the candidates drawing a shape that was identical to the given one. It would have been sufficient to merely draw the shape again a few squares to the right to earn full marks. However, for some reason, possibly because they did not understand what was required, many inverted the shape, rotated the shape or reflected the shape which resulted in the task being made much more demanding.