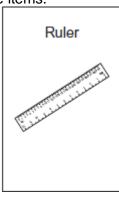
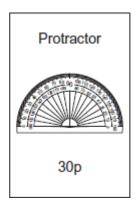
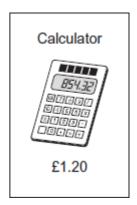
Q1.

A school shop sells these items.









(a) Write an expression for the cost of y protractors and w calculators. Give your answer in pence.

Work out the cost of one pen and the cost of one ruler.

Answer r	pence
Answer	pence

(2)

(b) Two pens and one ruler cost £2.65 One pen and five rulers cost £2

.....

Cost of one pen £

Cost of one ruler £

(4) (Total 6 marks)

Q2.

Solve the simultaneous equations

Q3.

2x - 3y = 24

6x + 2y = -5	
Do not use trial and improvement. You must show your working.	
Answer	
	otal 3 marks
	Total 3 marks
	「otal 3 marks
	Total 3 marks
3 fence panels and 4 posts cost £82.97	otal 3 marks
3 fence panels and 4 posts cost £82.97 5 fence panels and 6 posts cost £131.95	Total 3 marks
3 fence panels and 4 posts cost £82.97 5 fence panels and 6 posts cost £131.95 Rav builds fences.	otal 3 marks
3 fence panels and 4 posts cost £82.97 5 fence panels and 6 posts cost £131.95 Rav builds fences. He says,	otal 3 marks
3 fence panels and 4 posts cost £82.97 5 fence panels and 6 posts cost £131.95 Rav builds fences. He says, "£200 should be enough for 8 panels and 9 posts" Is he correct?	Total 3 marks
3 fence panels and 4 posts cost £82.97 5 fence panels and 6 posts cost £131.95 Rav builds fences. He says, "£200 should be enough for 8 panels and 9 posts" Is he correct?	otal 3 marks

		(Total 6 marks)
0.4		
Q4.	Solve the simultaneous equations $\frac{x-1}{y-2} = 3 \qquad \frac{x+6}{y-1} = 4$	
	Do not use trial and improvement. You must show your working.	
		•

	(Total 5 marks)
Q5.Solve the simultaneous equations.	
2x + 3y = 10 $4x - y = -1$	
Do not use trial and improvement. You must show your working.	
Answer	(Total 3 marks)
OC Calve the aircretten area and time	
Q6. Solve the simultaneous equations.	
2x + 3y = 53	
3x - y = 19	
Do not use trial and improvement. You must show your working.	

x =, *y* =

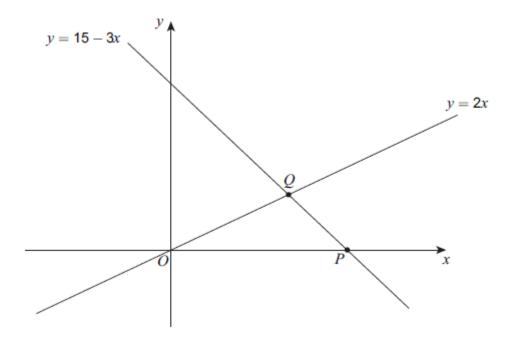
	<i>x</i> =, <i>y</i> =	(Total 4 marks)
(a)	Solve the simultaneous equations	
	2x + 6y = 16	
	3x + 8y = 19	
	Do not use trial and improvement. You must show your working.	
	Answer	
		(4)
(b)	Write down two simultaneous equations whose only solution is	
,	x = 6, y = -5	
	Answer	
	and	
		(2) (Total 6 marks)
	(a)	(a) Solve the simultaneous equations $2x + 6y = 16$ $3x + 8y = 19$ Do not use trial and improvement. You must show your working. Answer Answer $x = 6, y = -5$ Answer and

3 kg of apples and 1.5 kg of blackberries cost £ 9.00 2 kg of apples and 4 kg of blackberries cost £ 13.20	
Work out the cost of 1 kg of apples and the cost of 1 kg of blackberries. You must show your working.	
1 kg of apples £	
1 kg of blackberries £	(Total 5 marks)

Q9.

Q8.

The sketch graphs of two straight lines are shown.



1	(a)	\ \\/_rl.	aut tha	coordinates	٦f	T)
ı	a) VVOIK	out me	coordinates	OI	$\boldsymbol{\Gamma}$	٠.

Answer (.....) (1)

(b) Work out the coordinates of Q.

Answer (.....)

(c) Use your answers to parts (a) and (b) to work out the area of triangle OPQ.

Answer.....

(2) (Total 6 marks)

(3)

Q10.Solve the	simultaneous	equations
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$$2x - 3y = 7$$

$$3x + 4y = 2$$

You **must** show your working.

Do not use trial and improvement.	
Answer	(Total 4 n
Solve the simultaneous equations	5x - 4y = 24 $x + 2y = 9$
You must show your working. Do not use trial and improvement.	

Answer $x =, y =$	
Allower $x = \dots, y = \dots$	(Total 2 marks)
	(Total 3 marks)