### **SIMULTANEOUS EQUATIONS**

### Pearson Edexcel - Tuesday 11 June 2019 - Paper 3 (Calculator) Foundation Tier

1.

30 Solve the simultaneous equations

$$3x - 4y = 11$$
$$9x + 2y = 5$$

x =	
17 -	

(Total for Question 30 is 3 marks)

Pearson Edexcel - Tuesday 6 November 2018 - Paper 1 (Non-Calculator) Foundation Tier					
	Pearson Edexcel - Tuesda	v 6 November 2018 -	Paper 1 (Non	-Calculator)	Foundation Tier

25 Solve the simultaneous equations

$$5x + y = 21$$
$$x - 3y = 9$$

<i>x</i> =	
v =	

(Total for Question 25 is 3 marks)

			\
Pearson Edexcel - Wednesda	v 8 November 2017 -	- Paper 3 (Calculator	<ol> <li>Foundation Tier</li> </ol>

27 Solve the simultaneous equations

$$x + 3y = 12$$
$$5x - y = 4$$

*x* = .....

v =

(Total for Question 27 is 3 marks)

Pearson Edexcel - S	pecimen 1 -	Paper 1 (	Non-Calculator	) Foundation Tie

29 Solve the simultaneous equations

$$4x + y = 25$$
$$x - 3y = 16$$

<i>x</i> =	, <i>y</i> =
------------	--------------

(Total for Question 29 is 3 marks)

## OCR Monday 11 November 2019 – Afternoon (Calculator) Foundation Tier

5.

16 Solve the simultaneous equations.

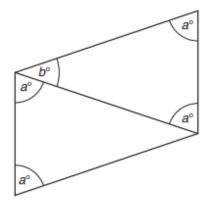
$$2x - y = 7$$
$$2x + y = 5$$

x =	
<i>y</i> =	[3]

### OCR Wednesday 8 November 2017 – Morning (Calculator) Foundation Tier

6.

19 Two congruent, isosceles triangles are joined, as shown, to form a parallelogram. The largest angle of the parallelogram is 110°.



Not to scale

Write two equations.

Solve them to find the value of a and the value of b.

а	

AQ	A Tue	sday 21 May 2019 – Morning (Non-Calculator) Foundation Tier	
	7.		
19		You are given that $4a - 2b = 10$	
19	(a)	Write down the value of $2a - b$	[1 mark
		Answer	
19	(b)	Write down the value of $2b - 4a$	[1 mark
		Answer	
19	(c)	You are given that $4a - 2b = 10$ and $a + c = 3$ Write an expression in $a$ , $b$ and $c$ that is equal to 23	
		Give your answer in its simplest form. You <b>must</b> show your working.	[2 marks

Answer

## AQA Monday 12 November 2018 – Morning (Calculator) Foundation Tier

8.

23	At a café,	
	2 teas and 1 coffee cost £3.40	
	1 tea and 4 coffees cost £7.30	
	Work out the cost of 1 tea and the cost of 1 coffee.	[4 marks]
	Tea	_
	Coffee	_

AQA Thursday 24 May 2018 - N	Iorning (Non-Calculator) Foundation Tier

15	3a + b = 7	and	6x + 8y = 40		
	Show that	9a + 3b	has a <b>greater</b> value than	3x + 4y	[2 marks]

Turn over for the next question

# AQA Thursday 25 May 2017 – Morning (Non-Calculator) Foundation Tier

10.

28	Solve th	he sir	multaneo	us ec	uations
----	----------	--------	----------	-------	---------

$$2x + y = 18$$
$$x - y = 6$$

x - y = 6	[3 marks]

Answer \_\_\_\_\_

### AQA Sample Paper 1– Morning (Non-Calculator) Foundation Tier

11.

All tickets for a concert are the same price.

Amy and Dan pay £63 altogether for some tickets.

Amy pays £24.50 for 7 tickets.

How many tickets does Dan buy?

[4 marks]