## <u>Simultaneous Equation IGCSE Past Paper Questions Edexcel - Calculator</u>

Solve the simultaneous equations

$$3x + y = 13$$
$$x - 2y = 9$$

Show clear algebraic working.

x	=	
v	=	

(Total for Question 9 is 3 marks)

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Solve the simultaneous equations

$$x + y = 15$$
$$7x - 5y = 3$$

Show clear algebraic working.

x =

y = .....

(Total for Question 9 is 3 marks)

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7	

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Solve	the simu	Itaneous	equations.

$$5x - 2y = 9.5$$

$$4x + 2y = 13$$

Show clear algebraic working.

x =

y = .....

(Total for Question | is 3 marks)

Solve 
$$4x + 3y = 6$$
  
 $3x + 5y = -1$ 

Show clear algebraic working.

*y* = .....

(Total for Question 1 is 4 marks)

Solve the simultaneous equations

$$3x + 2y = 7$$

$$4x - 3y = 15$$

Show clear algebraic working.

v =

v =

(Total for Question 15 is 4 marks)

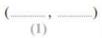
(a) Solve the simultaneous equations

$$5x + 3y = 9$$
$$7x - 2y = 25$$

Show clear algebraic working.

$$x = \dots$$

(b) P is the point of intersection of the lines with equations 5x + 3y = 9 and 7x - 2y = 25Write down the coordinates of P.



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Showing clear algebraic working, solve the simultaneous equations

$$3a + 2b = 1$$
$$a + 2b = 5$$

a = .....

b = .....

(Total for Question 7 is 3 marks)

Solve the simultaneous equations

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

Show clear algebraic working.

x =

y =

(Total for Question 9 is 3 marks)

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	50.		unc	SHILL	lumeous	equations

$$y + 2x = 3$$
$$x^2 + y^2 = 18$$

Show clear algebraic working.

(Total for Question 22 is 6 marks)

(Total for Question 10 is 3 marks)

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1	4	
	•	•

Solve the simultaneous equations			
	5x - 2y = 33		
	5x + 8y = 18		
Show clear algebraic working.			
		v =	
		<i>A</i> –	