1 Solve the simultaneous equations

$$3x + y = -4$$
$$3x - 4y = 6$$

$x =$ .....

$y =$ .....

(Total for Question 1 is 3 marks)

2 Solve the simultaneous equations

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

$x =$ .....

$y =$ .....

(Total for Question 2 is 4 marks)

3 Solve the simultaneous equations

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

$x =$ .....

$y =$ .....

(Total for Question 3 is 3 marks)

4 Solve the simultaneous equations

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

$x =$ .....

$y =$ .....

(Total for Question 4 is 3 marks)

5 Solve

$$2x + 3y = \frac{2}{3}$$

$$3x - 4y = 18$$

$x =$ .....

$y =$ .....

(Total for Question 5 is 4 marks)

6 Solve the simultaneous equations

$$5x + 2y = 11$$
$$4x - 3y = 18$$

$x =$ .....

$y =$ .....

(Total for Question 6 is 4 marks)

7 Solve the simultaneous equations

$$3x + 2y = 4$$
$$4x + 5y = 17$$

$x =$ .....

$y =$ .....

(Total for Question 7 is 4 marks)

8 Solve the simultaneous equations

$$5x + 2y = 11$$
$$4x + 3y = 6$$

$x =$ .....

$y =$ .....

(Total for Question 8 is 4 marks)

9 Solve the simultaneous equations

$$4x + 7y = 1$$
$$3x + 10y = 15$$

$x =$ .....

$y =$ .....

(Total for Question 9 is 4 marks)

10 Solve the simultaneous equations

$$9x + 7y = 3$$
$$5x - 4y = 6.4$$

Show clear algebraic working.

$x =$ .....

$y =$ .....

(Total for Question 10 is 4 marks)

11 3 teas and 2 coffees have a total cost of £7.80
5 teas and 4 coffees have a total cost of £14.20

Work out the cost of one tea and the cost of one coffee.

tea £.....

coffee £.....

(Total for Question 11 is 4 marks)

12 Alison buys 5 apples and 3 pears for a total cost of $1.96
Greg buys 3 apples and 2 pears for a total cost of $1.22

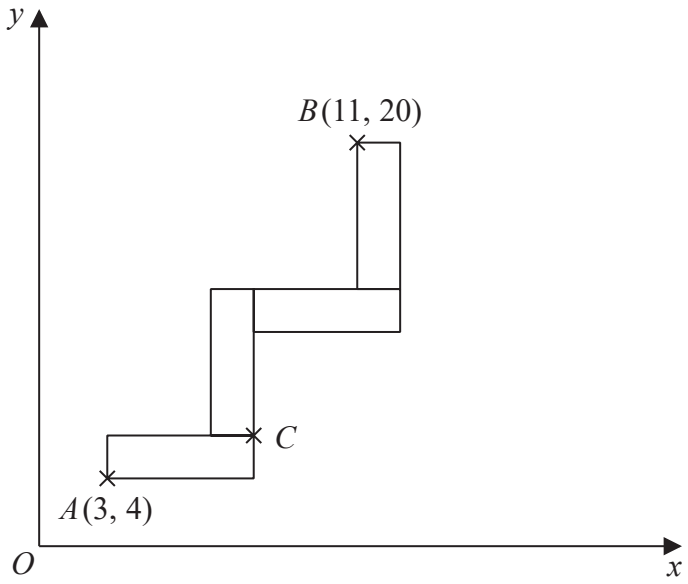
Michael buys 10 apples and 10 pears.

Work out how much Michael pays for his 10 apples and 10 pears.
Show your working clearly.

$.....

(Total for Question 12 is 5 marks)

13 A pattern is made from four identical rectangles.
The sides of the rectangles are parallel to the axes.



Point A has coordinates (3, 4)
Point B has coordinates (11, 20)
Point C is marked on the diagram.

Work out the coordinates of C.
You must show all your working.

(..... , ...)

(Total for Question 14 is 5 marks)