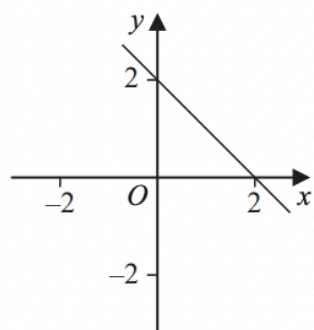
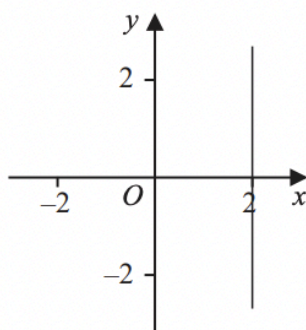


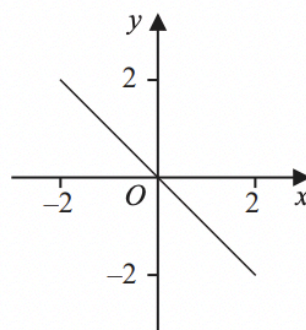
Q1 June 2018

**13** Here are six straight line graphs.

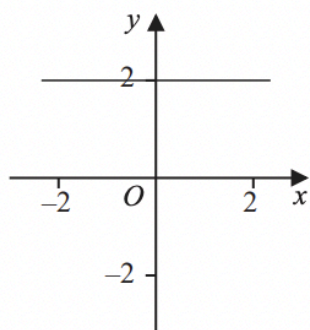
Graph A



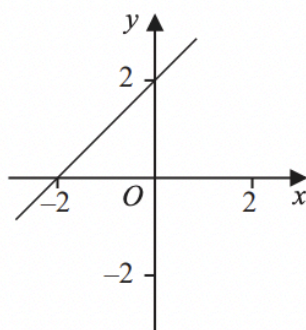
Graph B



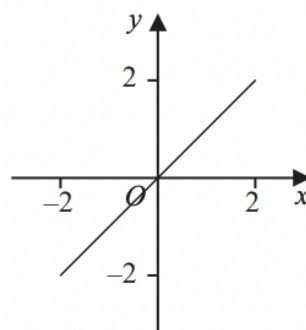
Graph C



Graph D



Graph E



Graph F

Match each equation in the table to the correct graph.  
Write the letter of the graph in the table.

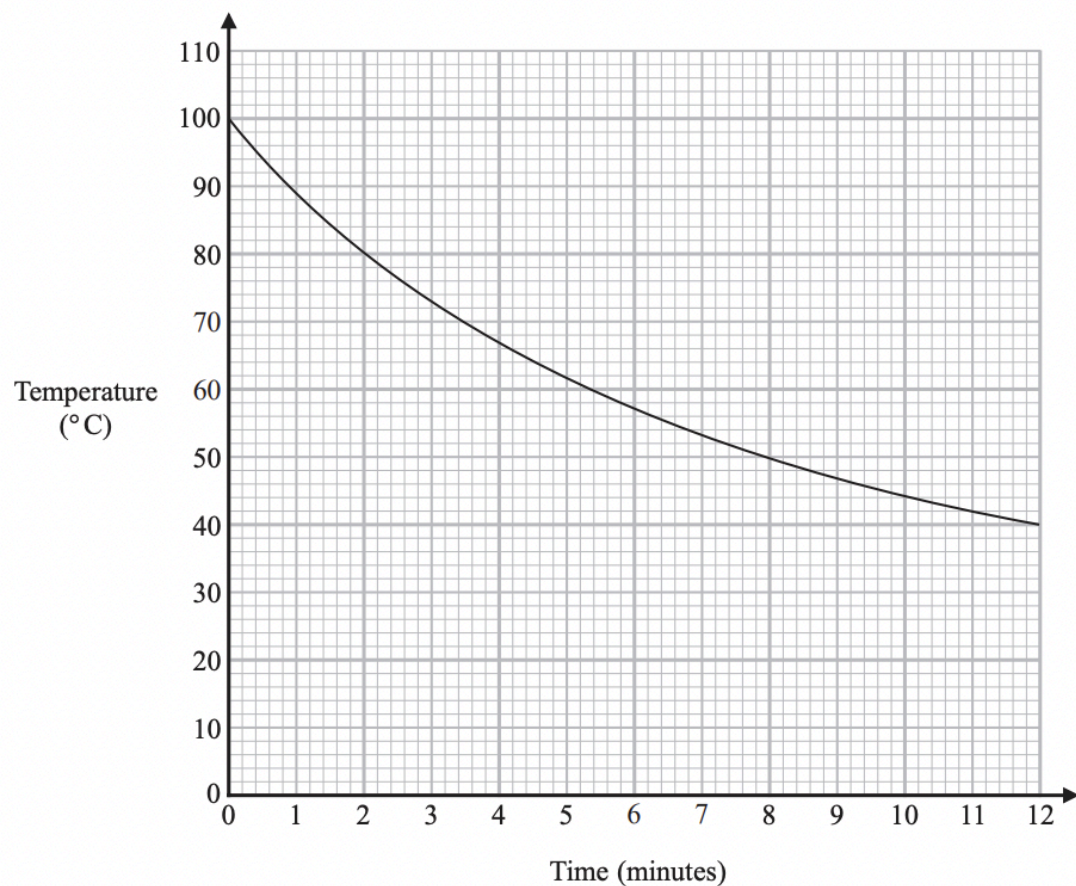
| Equation    | Graph |
|-------------|-------|
| $y = 2$     |       |
| $y = x$     |       |
| $x + y = 2$ |       |

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(Total for Question 13 is 2 marks)

Q2 June 2020

- 10** The graph shows information about the time, in minutes, a liquid has been cooling and the temperature of the liquid in  $^{\circ}\text{C}$ .



- (a) What is the temperature of the liquid at time 2 minutes?

.....  $^{\circ}\text{C}$   
(1)

Pam recorded the time when the liquid had a temperature of  $50^{\circ}\text{C}$ .

- (b) Write down this time.

..... minutes  
(1)

Pam says that the temperature of the liquid drops more in the first 3 minutes of cooling than it does between time 9 minutes and time 12 minutes.

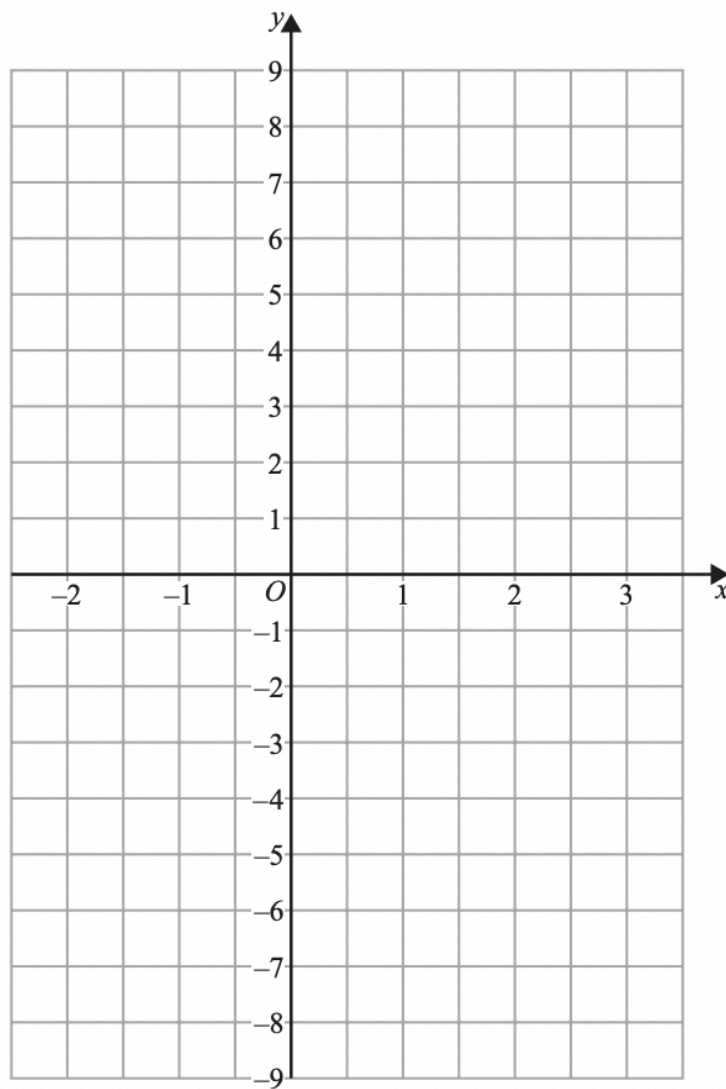
(c) Is Pam correct?

Give a reason for your answer.

(1)

**(Total for Question 10 is 3 marks)**

**19** On the grid below, draw the graph of  $y = 3x - 2$  for values of  $x$  from  $-2$  to  $3$



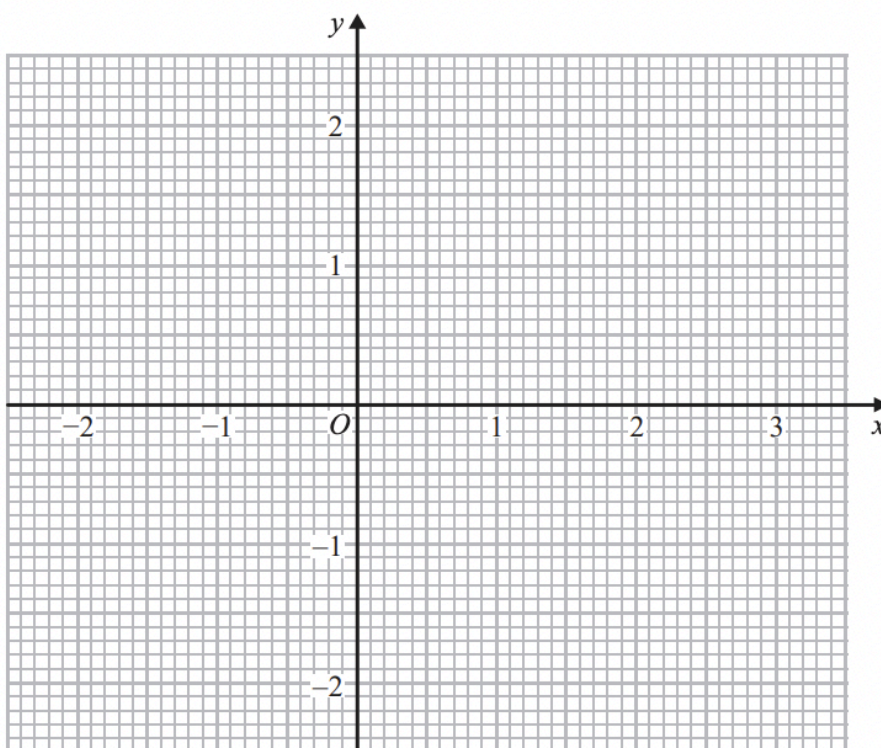
**(Total for Question 19 is 3 marks)**

13 (a) Complete the table of values for  $y = \frac{1}{2}x - 1$

|     |    |    |   |   |   |   |
|-----|----|----|---|---|---|---|
| $x$ | -2 | -1 | 0 | 1 | 2 | 3 |
| $y$ | -2 |    |   |   | 0 |   |

(2)

(b) On the grid, draw the graph of  $y = \frac{1}{2}x - 1$  for values of  $x$  from -2 to 3



(2)

(c) Use your graph to find the value of  $x$  when  $y = 0.3$

$x = \dots\dots\dots$

(1)

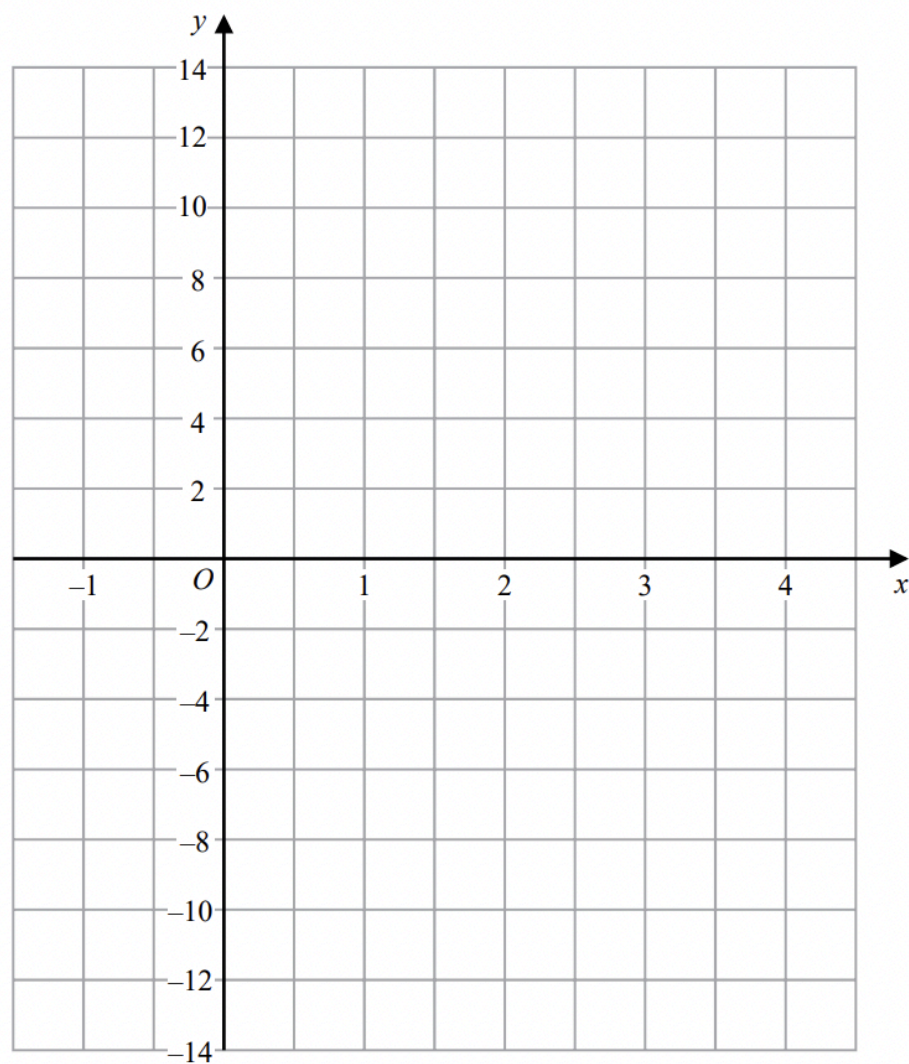
(Total for Question 13 is 5 marks)

17 (a) Complete the table of values for  $y = 4x - 6$

|     |    |   |    |   |   |    |
|-----|----|---|----|---|---|----|
| $x$ | -1 | 0 | 1  | 2 | 3 | 4  |
| $y$ |    |   | -2 |   |   | 10 |

(2)

(b) On the grid, draw the graph of  $y = 4x - 6$  for values of  $x$  from -1 to 4



(2)

(Total for Question 17 is 4 marks)