

Summer 2017 Paper 2 Q24

1 Solve $x^2 + 5x - 24 = 0$

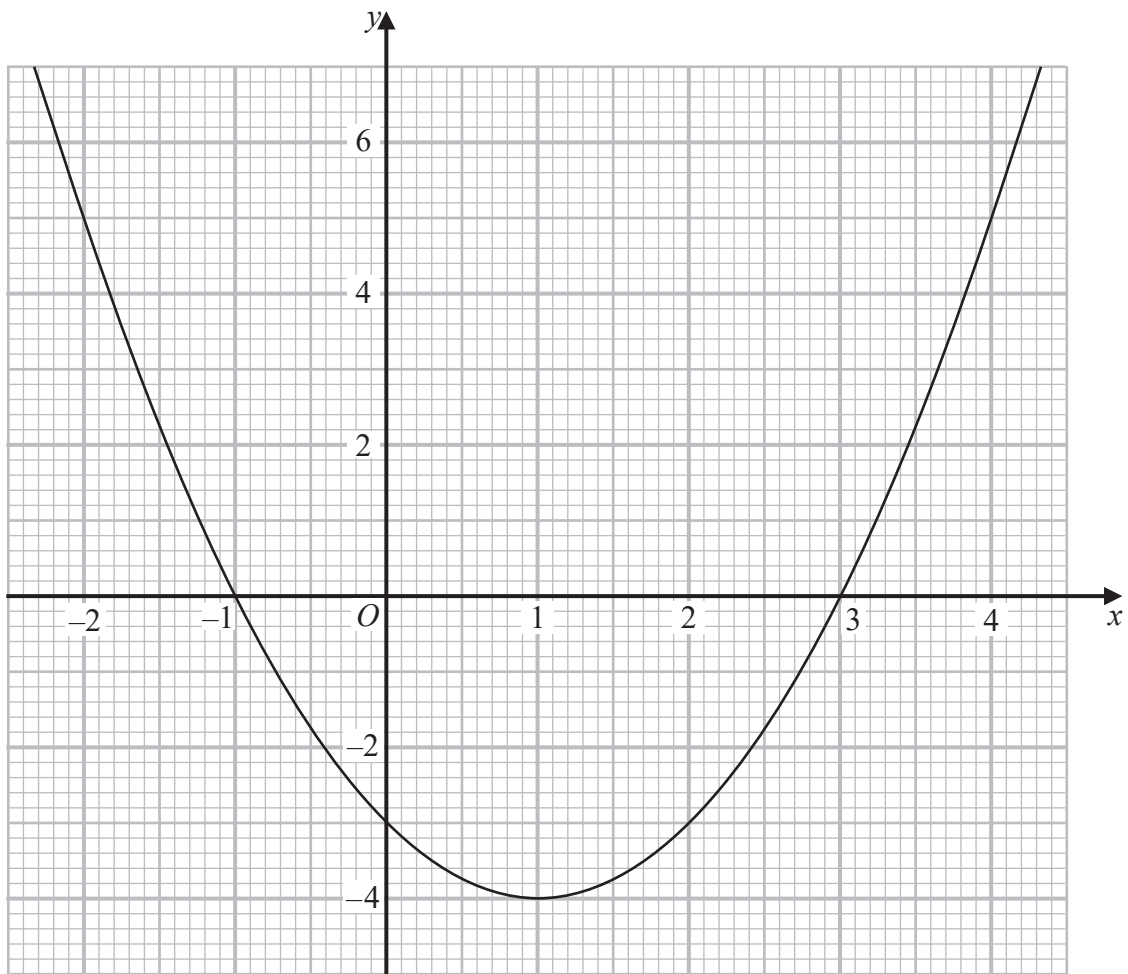
.....
(Total for Question 1 is 3 marks)

Autumn 2021 Paper 2 Q27

2 Solve $x^2 - 7x - 18 = 0$

.....
(Total for Question 2 is 3 marks)

3 Here is the graph of $y = x^2 - 2x - 3$



(a) Write down the coordinates of the turning point on the graph of $y = x^2 - 2x - 3$

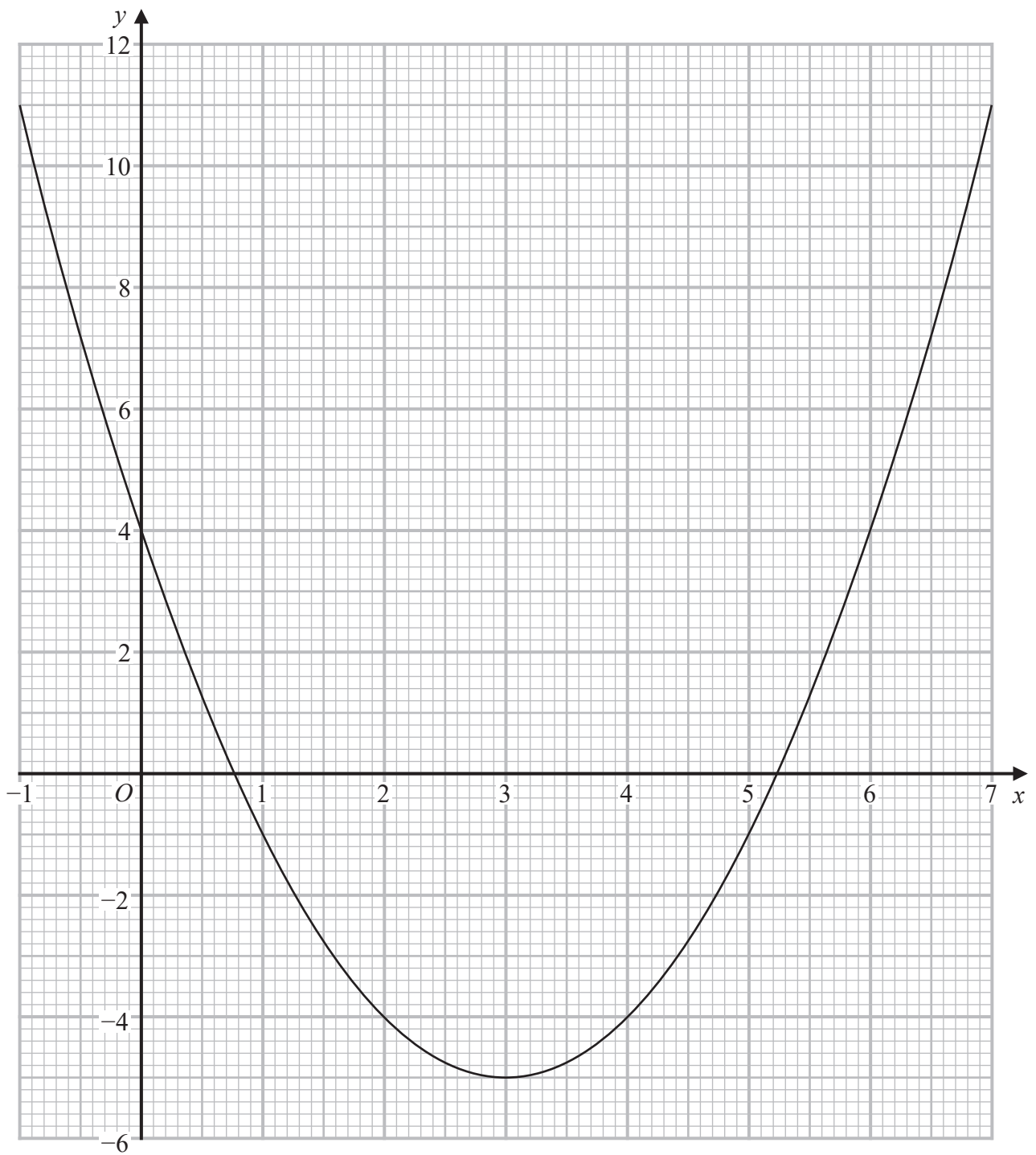
(.....,)
(1)

(b) Use the graph to find the roots of the equation $x^2 - 2x - 3 = 0$

.....
(2)

(Total for Question 3 is 3 marks)

4 Here is the graph of $y = x^2 - 6x + 4$



(a) Write down the y intercept of the graph of $y = x^2 - 6x + 4$

.....
(1)

(b) Write down the coordinates of the turning point of the graph of $y = x^2 - 6x + 4$

(..... ,)
(1)

(c) Use the graph to find estimates for the roots of $x^2 - 6x + 4 = 0$

.....
(2)

(Total for Question 4 is 4 marks)