



EXAM PAPERS PRACTICE

Helping you Achieve Highest Grades in GCSE

# GCSE AQA Maths (8300) Foundation Tier Question Paper

Fully inlined with first assessment 2026 and suitable for  
students sitting exams 2026+

**Topic - Algebra**

**Graphs recap and extension - Foundation**

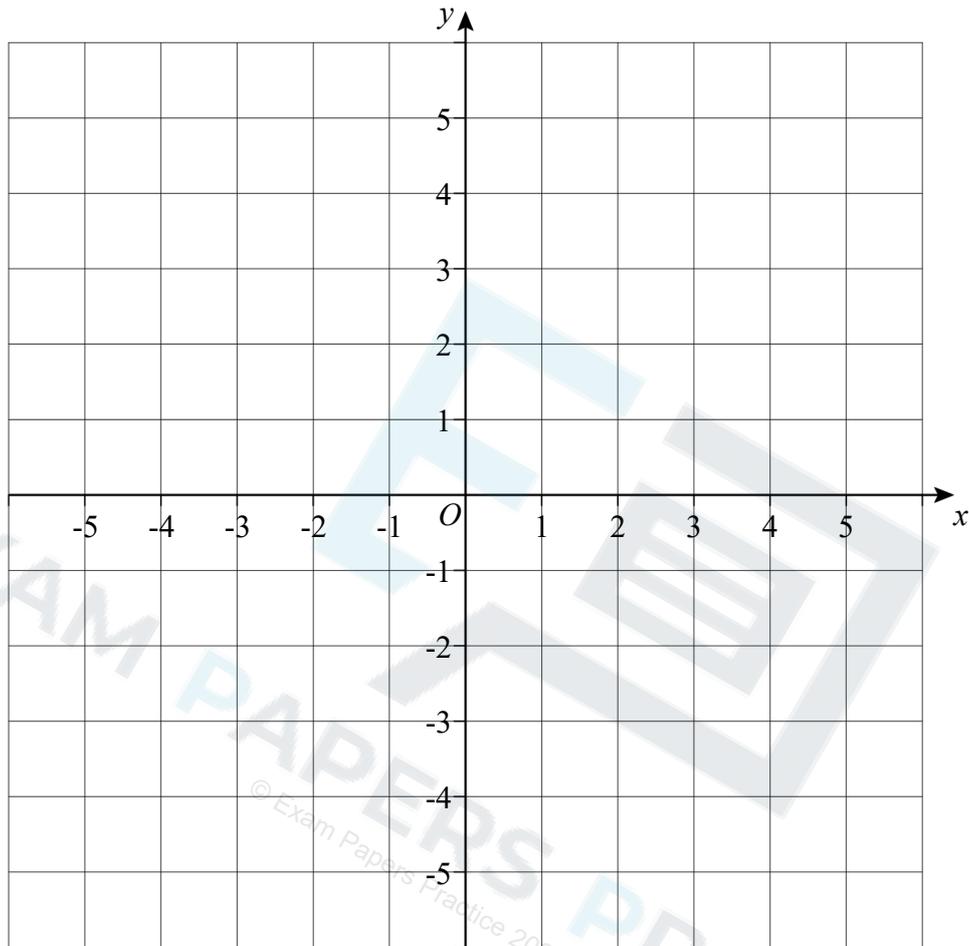
**Marks: 18**

**Total Marks: / 18**

# Topic Test 1 (20 minutes)

## Graphs recap and extension - Foundation

1



**1(a)** Plot the points  $A(-2, -1)$  and  $B(1, 1)$  on the grid.

**[2 marks]**

**1(b)**  $ABCD$  is a square.

Write down possible coordinates for  $C$  and  $D$ .

**[2 marks]**

Answer (     ,     ) and (     ,     )

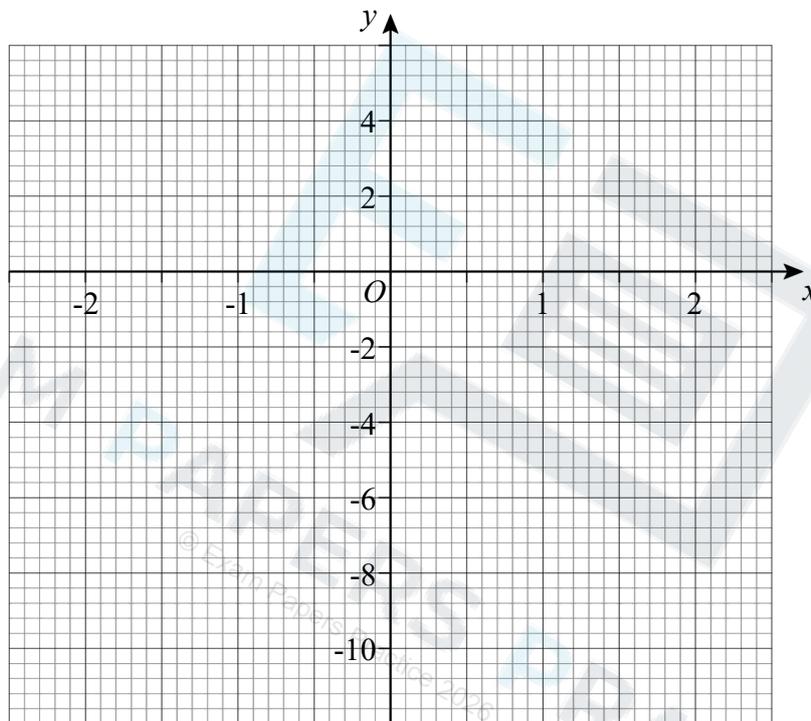
2(a) Complete the table for  $y = -4 - 3x$

[1 mark]

$x$	-2	-1	0	1	2
$y$	2	-1		-7	-10

2(b) On the grid draw the graph of  $y = -4 - 3x$  for values of  $x$  from -2 to 2

[2 marks]



3 Circle the y-intercept of the line  $y = -2x + 3$

[1 mark]

-3                      -2                      2                      3

4 Circle the equation of the line that is parallel to  $y = 6 - 3x$

[1 mark]

$y = 3x + 6$

$y = -3x - 6$

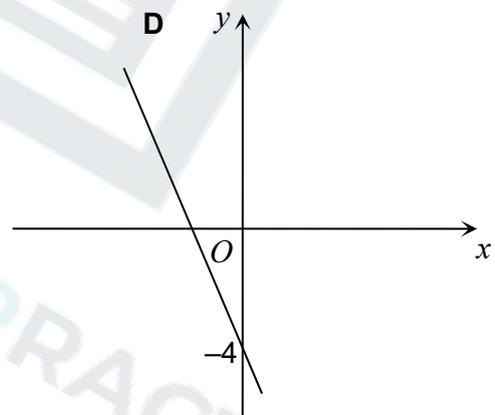
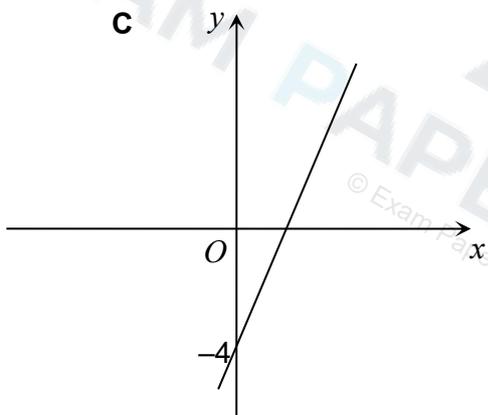
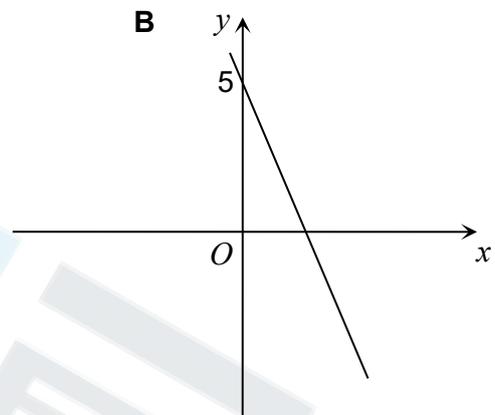
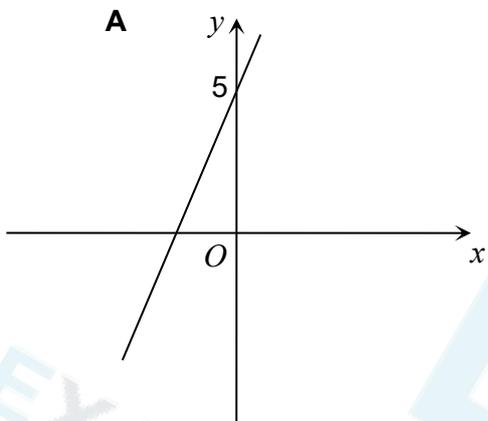
$y = 3x - 6$

$y = 6x - 3$

5 Which of these is a sketch of  $y = 5 - 4x$ ?

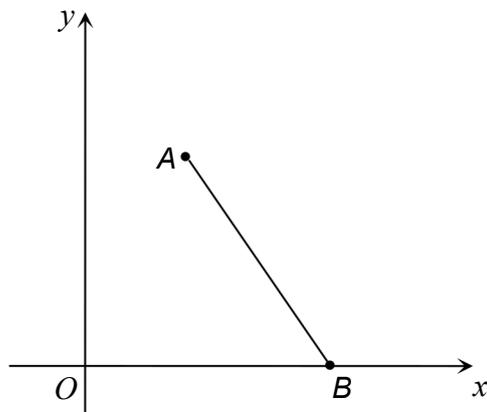
Circle the correct letter.

[1 mark]



EXAM PAPERS PRACTICE  
 © Exam Papers Practice 2026

6 A is (3, 8) and B is (7, 0)



Not drawn accurately

6(a) Work out the gradient of the line AB.

[2 marks]

---

---

Answer \_\_\_\_\_

6(b) CD is the line parallel to AB that passes through (0, 5)

Work out the equation of the line CD.

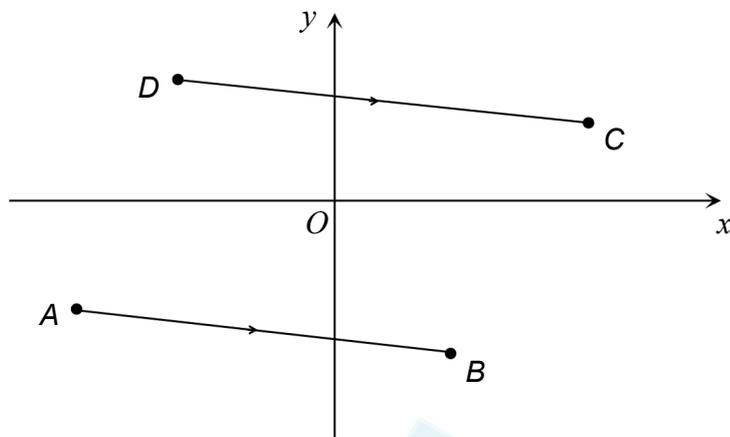
[2 marks]

---

---

Answer \_\_\_\_\_

- 7  $A$  is  $(-5, -2)$ ,  $B$  is  $(2, -3)$ ,  $C$  is  $(4, 1)$  and  $D$  is  $(-3, 2)$   
 $AB$  and  $DC$  are parallel.



Not drawn accurately

- 7(a) Work out the gradient of  $AD$ .

[2 marks]

---



---

Answer \_\_\_\_\_

- 7(b) Work out the gradient of  $BC$ .

[2 marks]

---



---

Answer \_\_\_\_\_

- 7(c) What type of quadrilateral is  $ABCD$ ?  
 Give a reason for your answer.

[2 marks]

---



---

Answer \_\_\_\_\_