

Paper Reference 1MA1/2H
Pearson Edexcel
Level 1/Level 2 GCSE (9–1)

Mathematics
PAPER 2
(Calculator)
Higher Tier

Diagram Booklet

In the boxes below, write your name, centre number and candidate number.

Surname					
Other names					
Centre Number					
Candidate Number					

INSTRUCTIONS

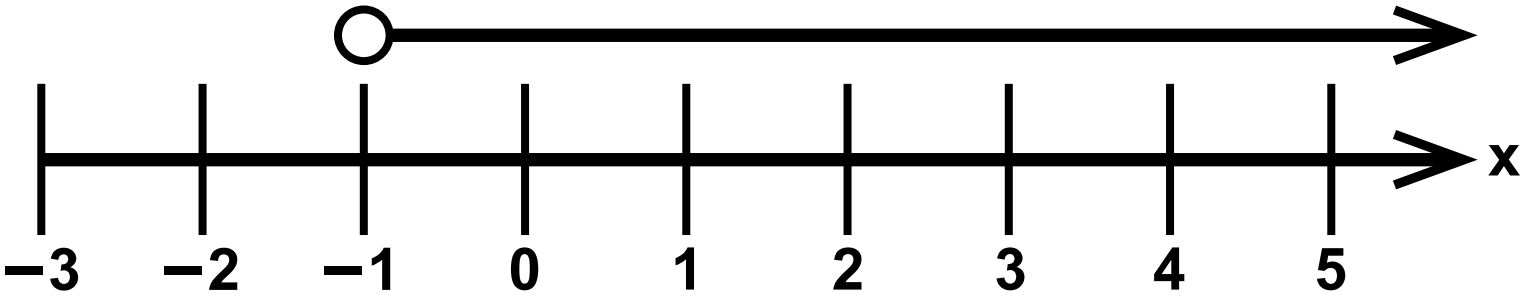
There may be spare copies of some diagrams in case you need them.

**THIS DIAGRAM BOOKLET MUST BE RETURNED WITH THE
QUESTION PAPER AT THE END OF THE EXAMINATION.**

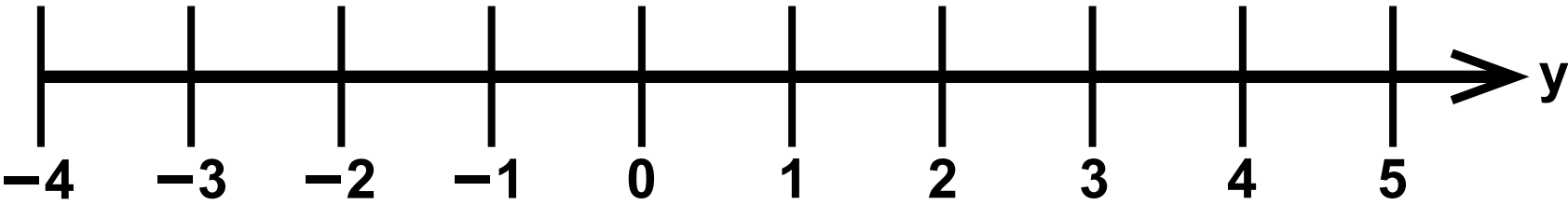
Contents**Page**

4	Question 1(a)
5	Question 1(b)
6	Question 1(b) (Spare copy)
7	Question 3
8	Question 3 (Spare copy)
9	Question 4(b)
10	Question 4(b) (Spare copy)
11	Question 5
12	Question 6(a)
13	Question 6(b)
14	Question 8
15	Question 9 and Question 9(c)
16	Question 10
17	Question 11
18	Question 14
19	Question 15
20	Question 17
21	Questions 18(a) and 18(b)
22	Question 18(c)
23	Question 18(c) (Spare copy)

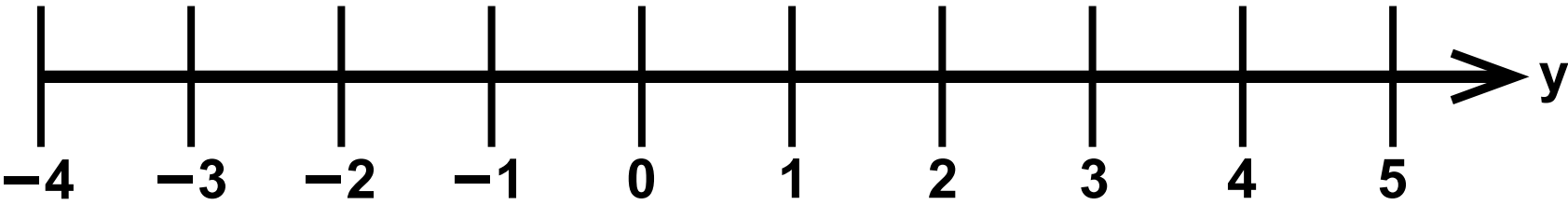
Question 1(a)



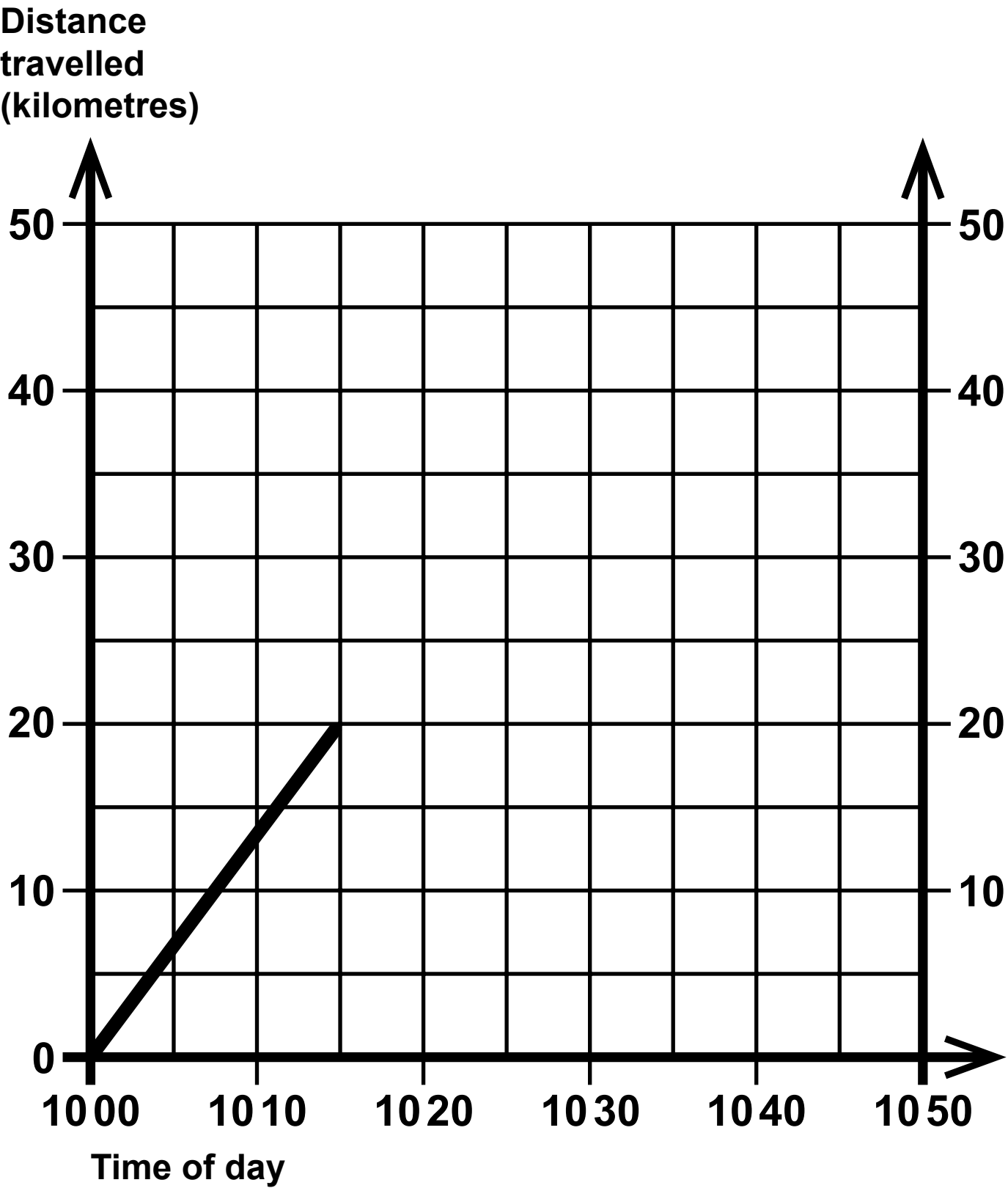
Question 1(b)



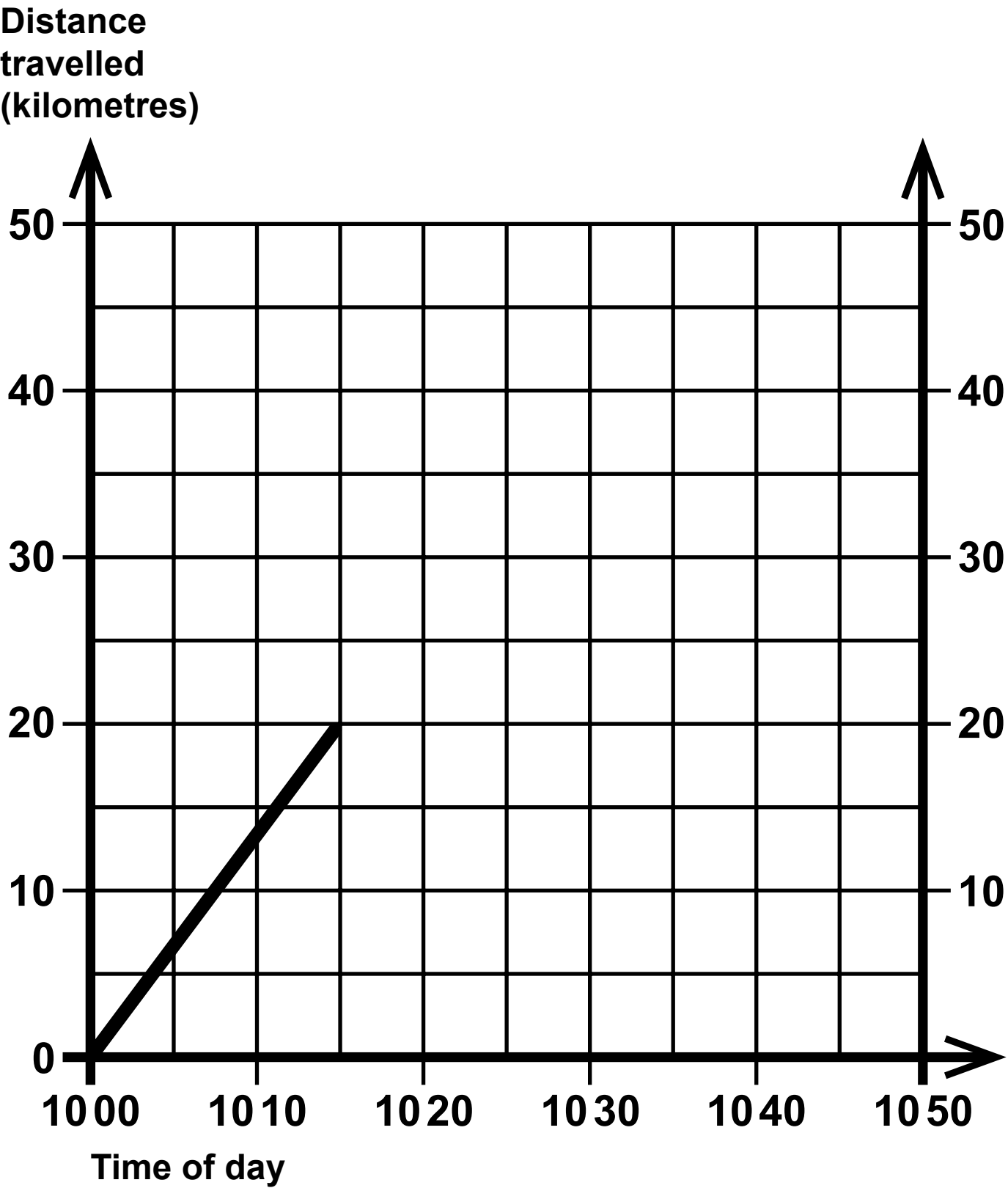
Question 1(b)



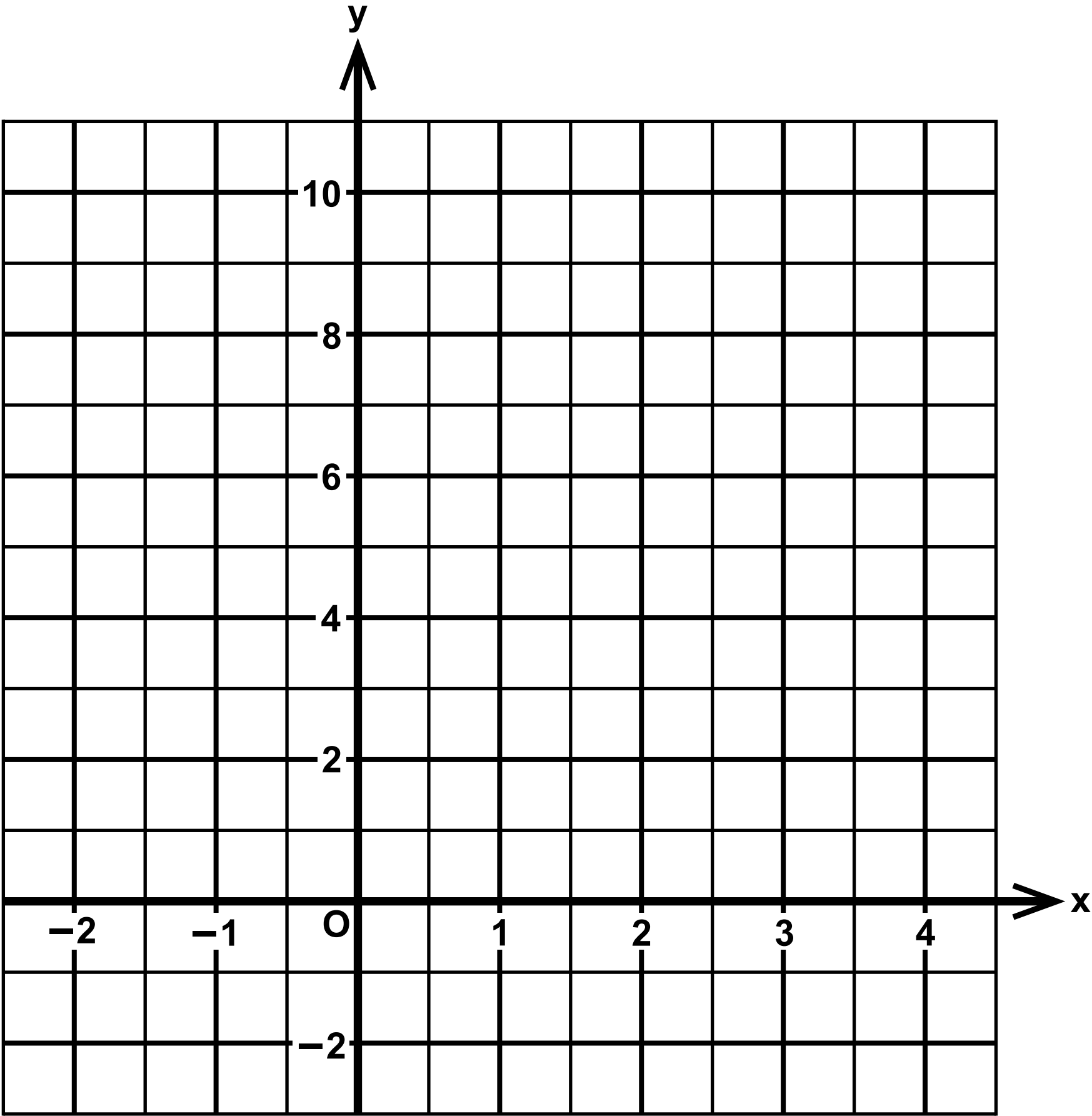
Question 3



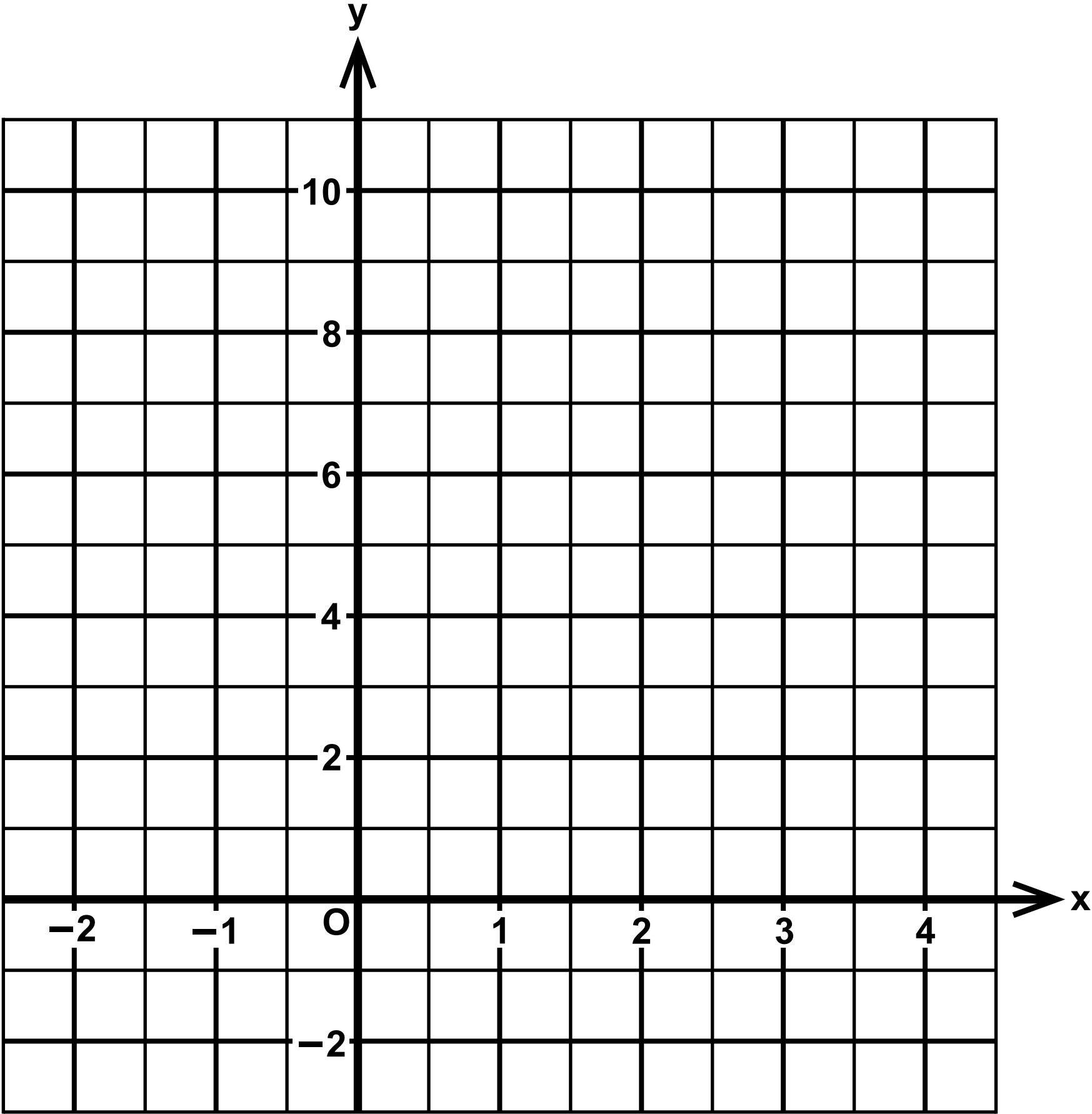
Question 3



Question 4(b)



Question 4(b)



Question 5

Diagram 1

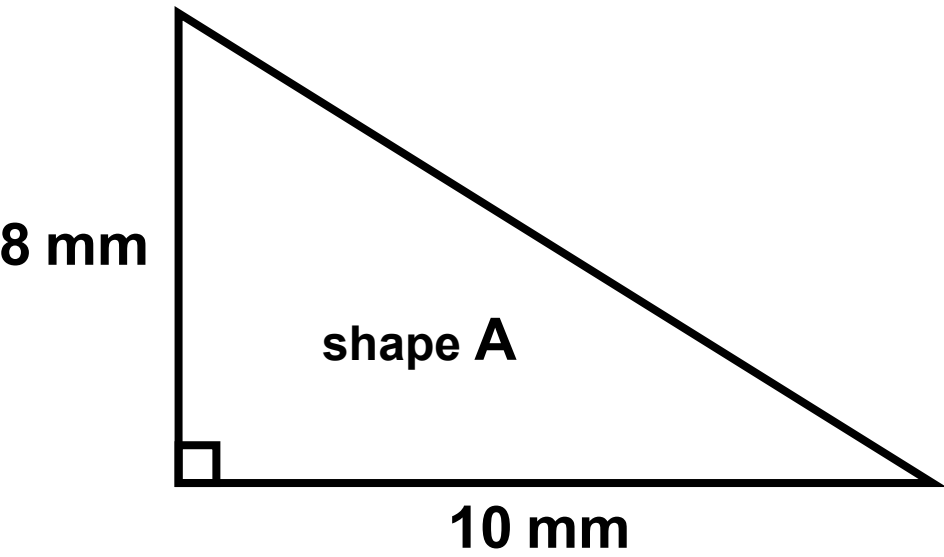
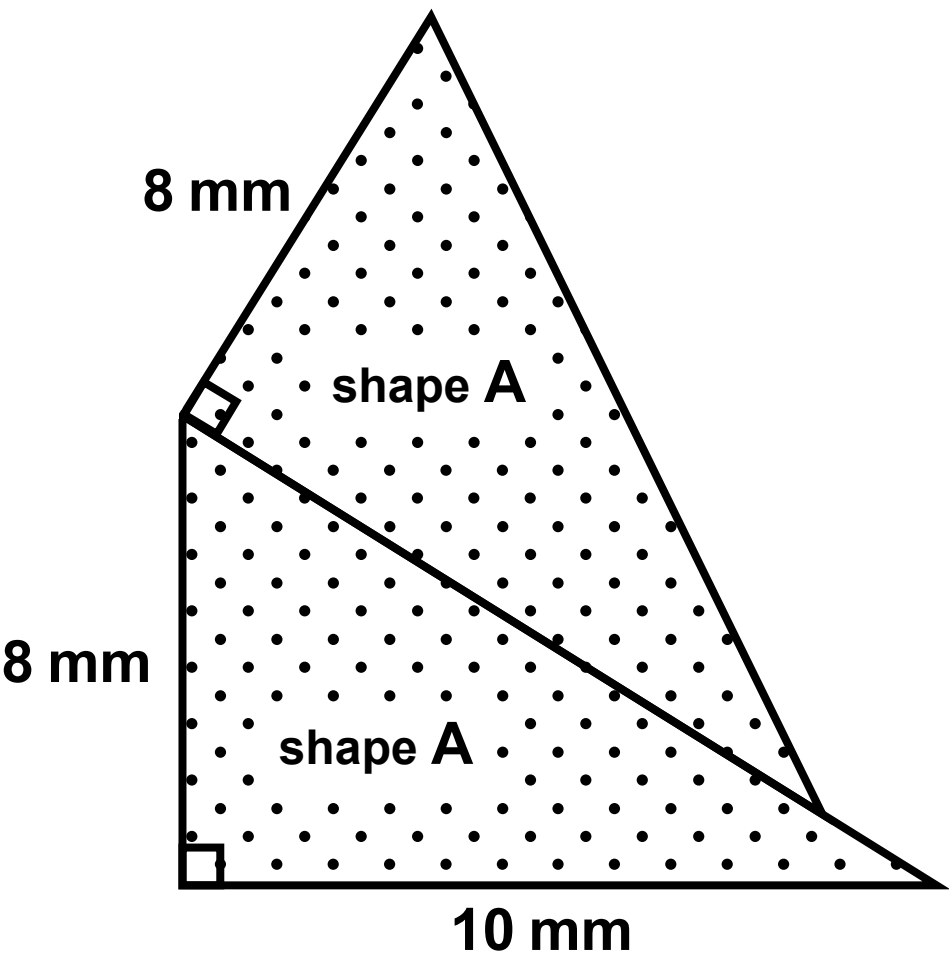
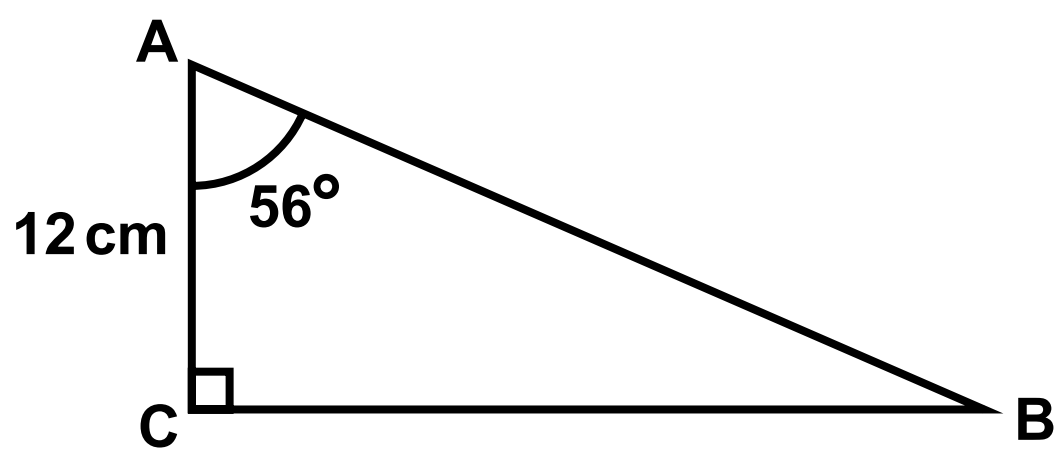


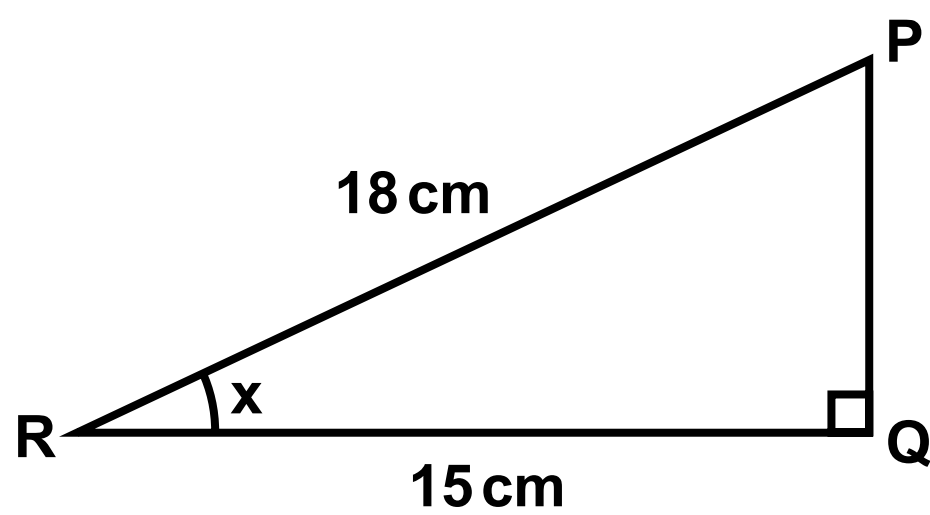
Diagram 2



Question 6(a)



Question 6(b)



Question 8

Table 1

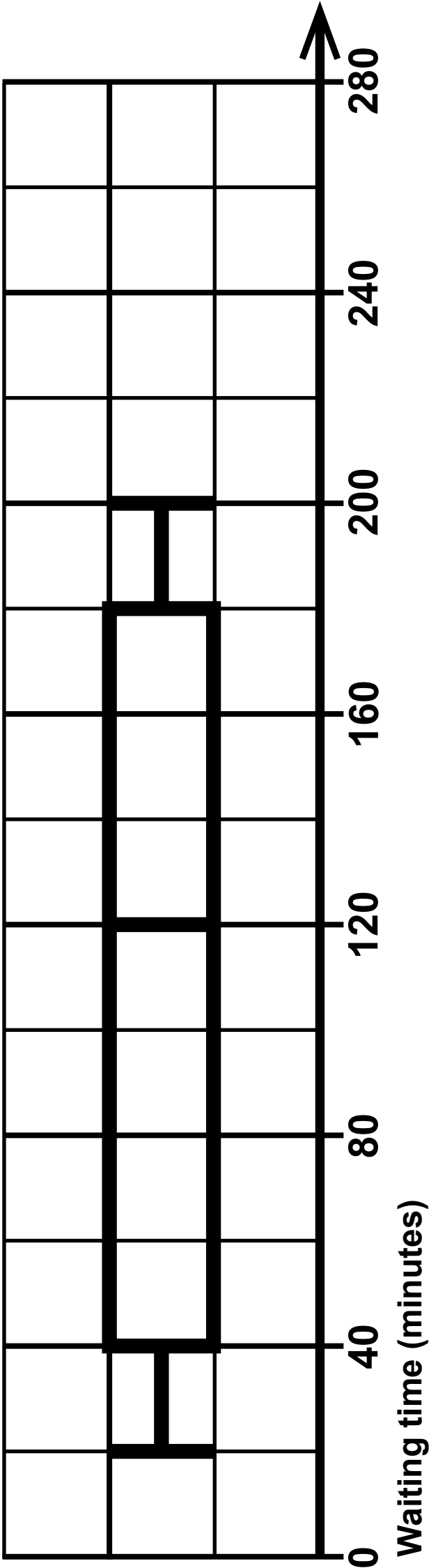
Time (t minutes)	Frequency
$0 < t \leq 10$	5
$10 < t \leq 20$	8
$20 < t \leq 30$	12
$30 < t \leq 40$	15
$40 < t \leq 50$	7
$50 < t \leq 60$	3

Table 2

Time (t minutes)	Cumulative frequency
$0 < t \leq 10$	5
$10 < t \leq 20$	13
$20 < t \leq 30$	25
$30 < t \leq 40$	40
$40 < t \leq 50$	47
$50 < t \leq 60$	50

Question 9

Monday



Question 9(c)

Tuesday

Waiting time (minutes)	
Shortest time	20
Lower quartile	40
Median	100
Upper quartile	140
Longest time	210

Question 10

Better Investments (Louise)

Compound Interest

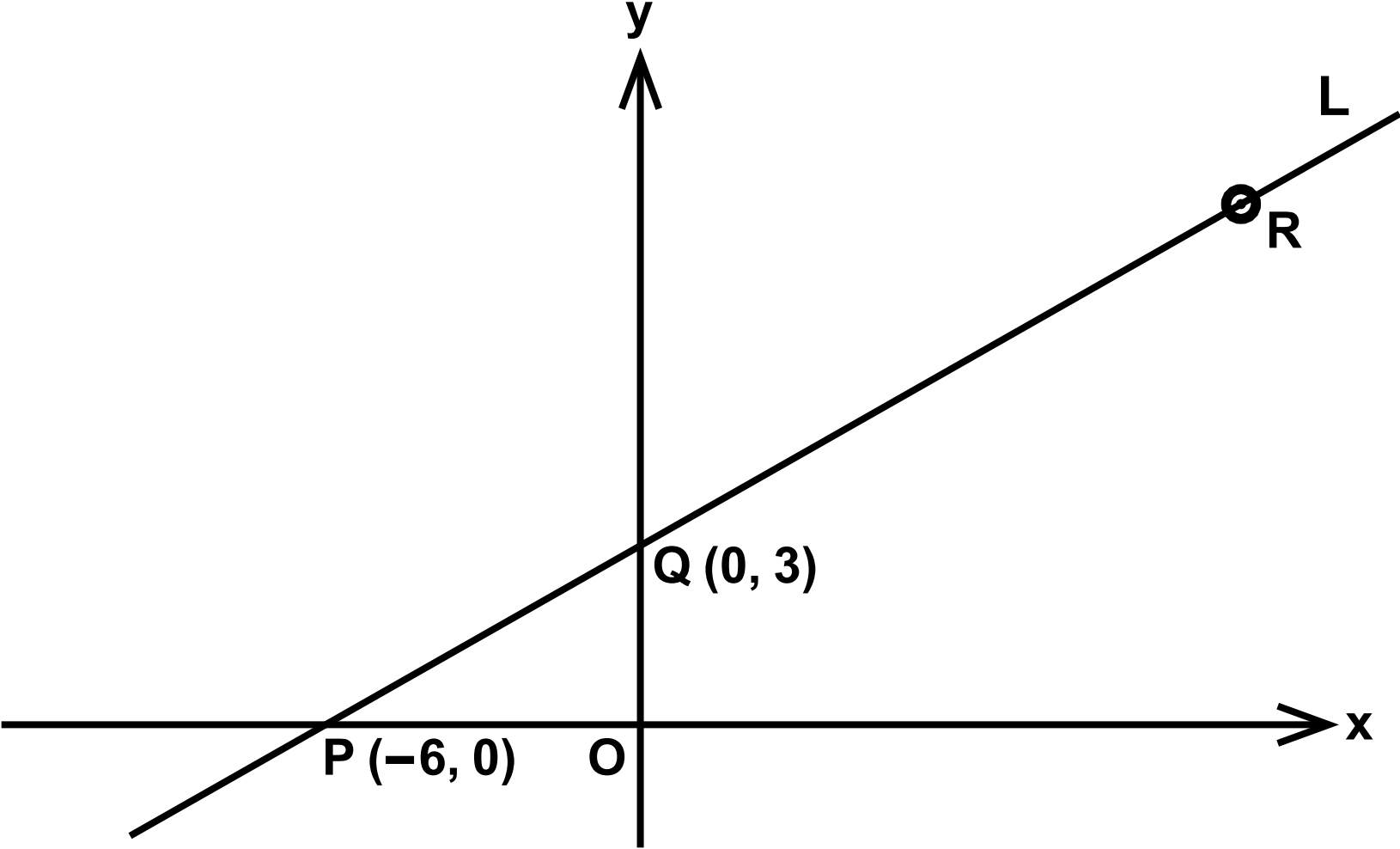
2·5% per annum

County Bank (Sadiq)

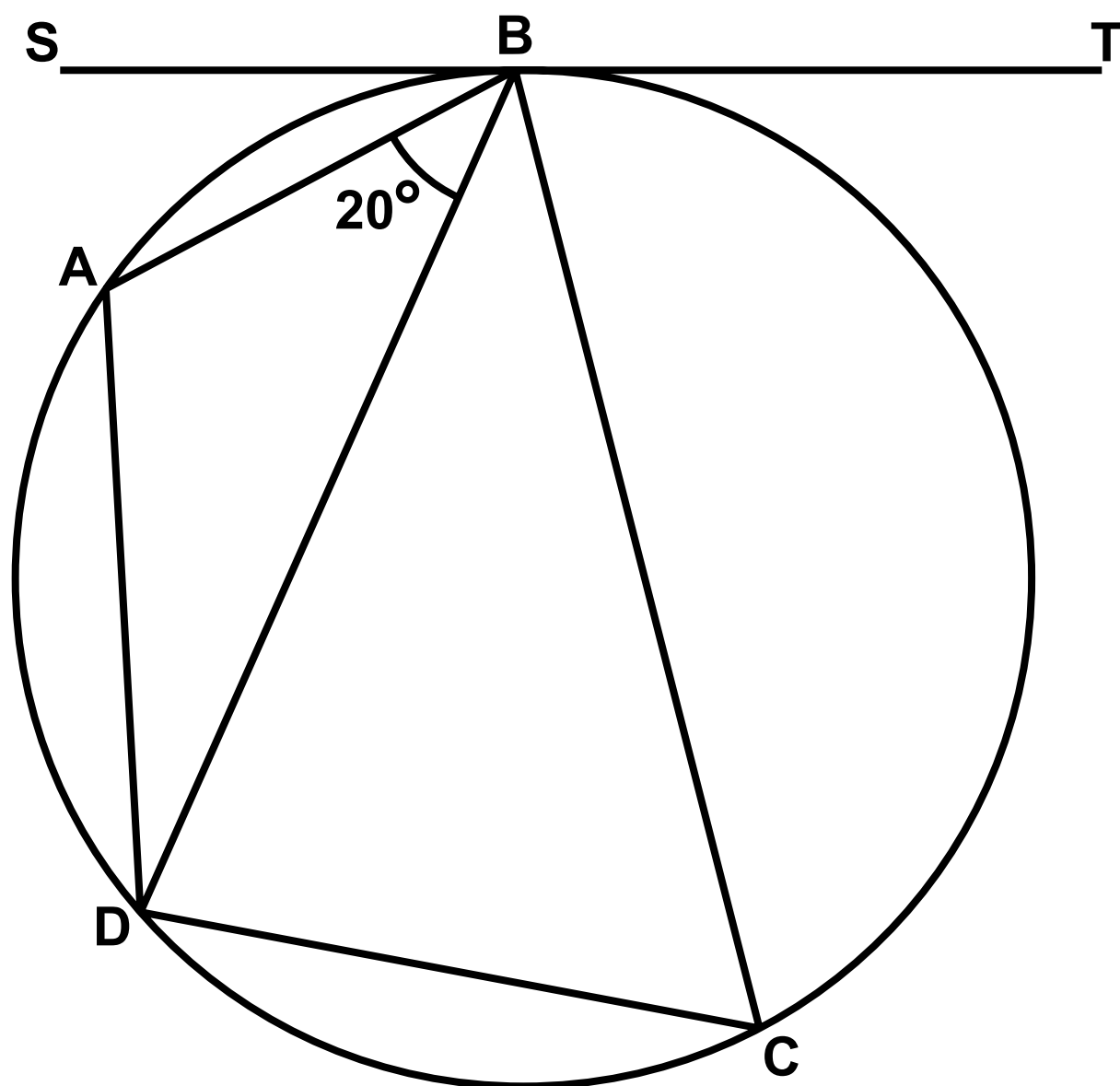
Compound Interest

2% per annum for the first two years
3·5% per annum for each extra year

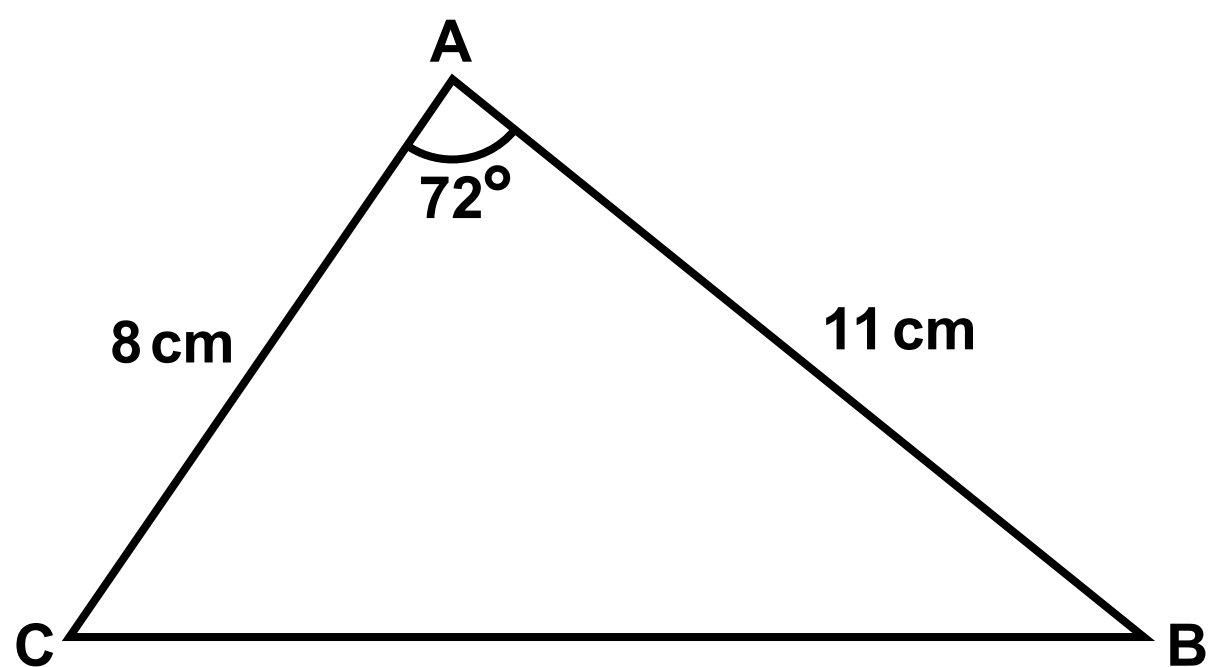
Question 11



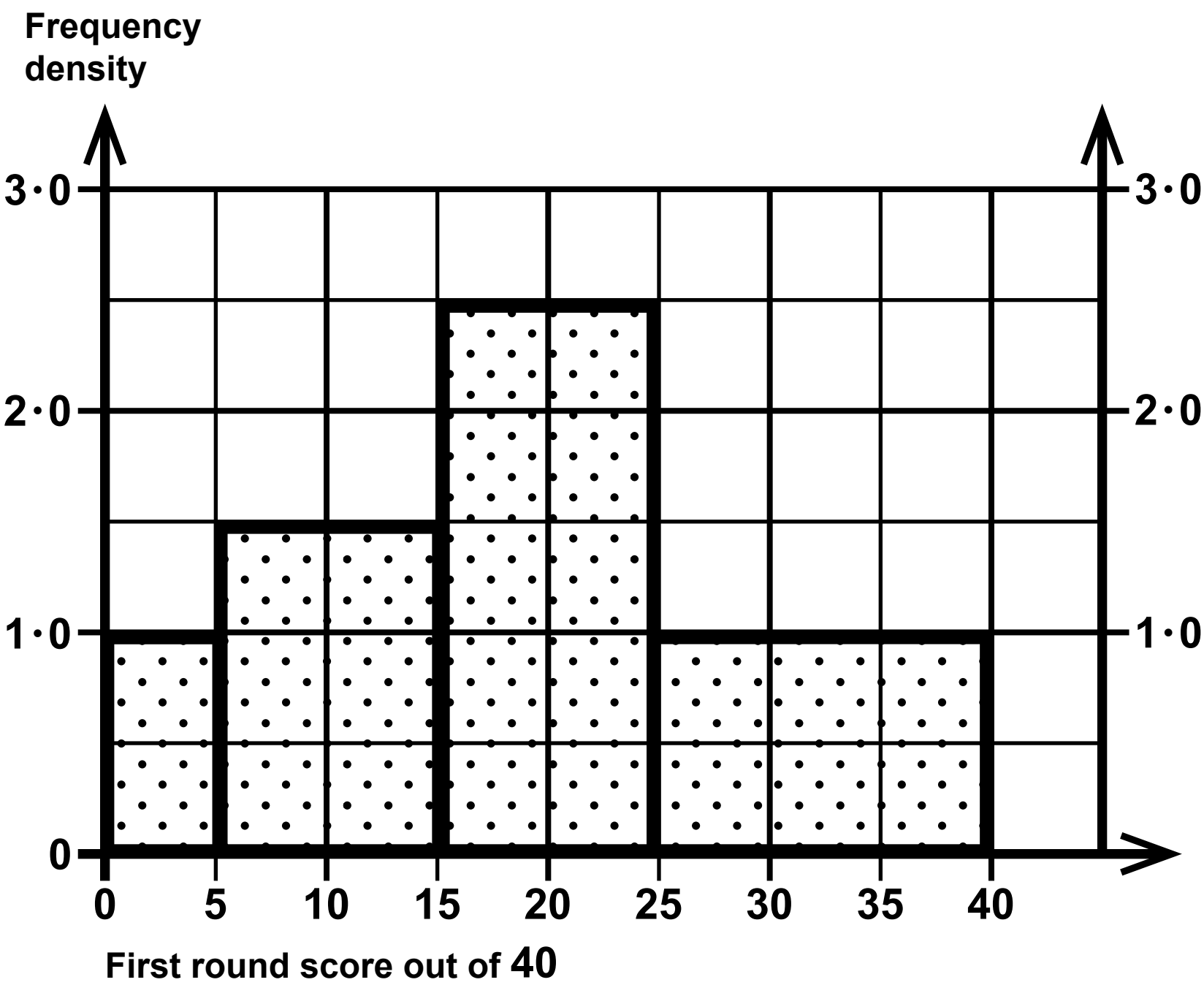
Question 14

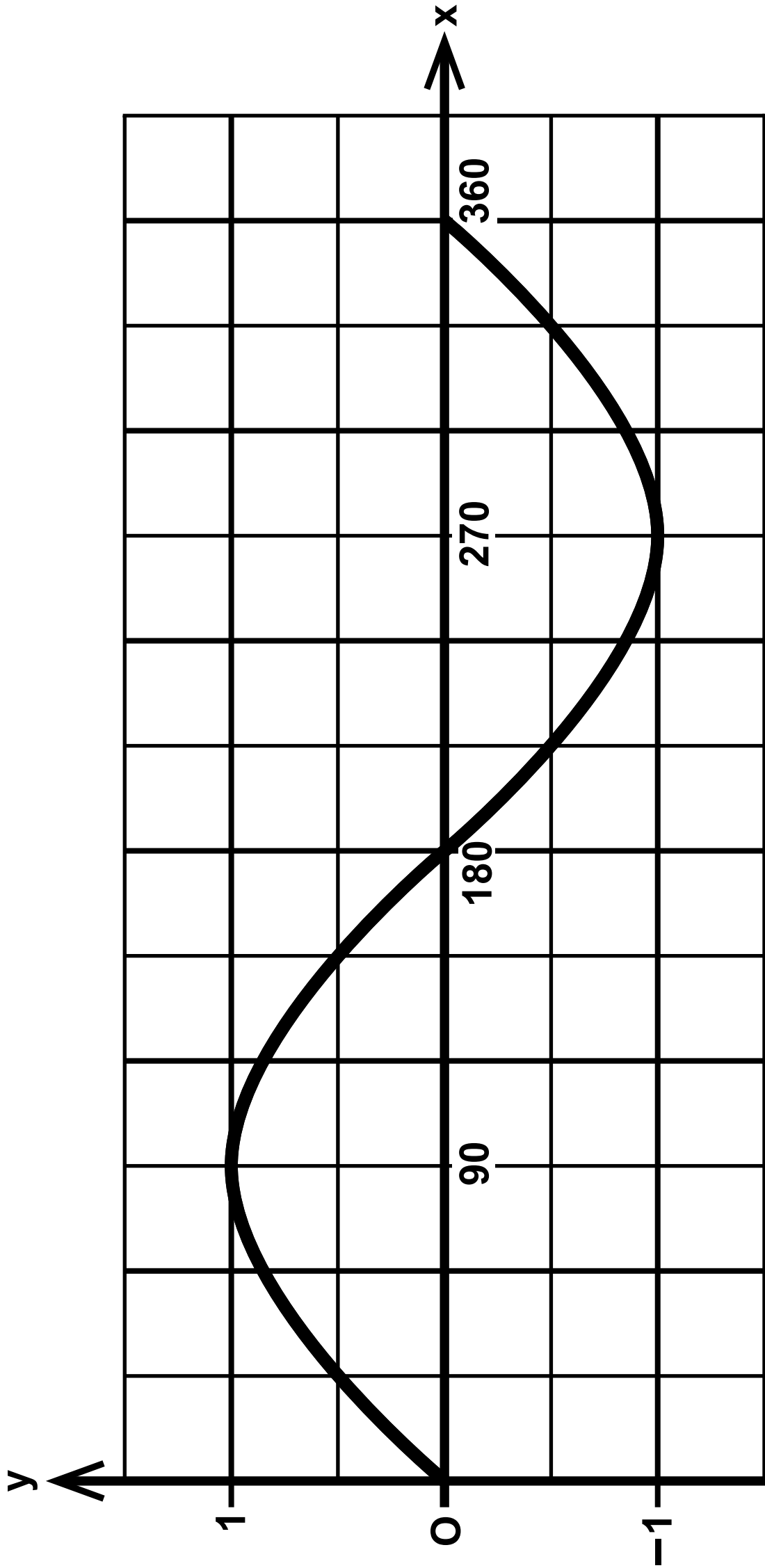


Question 15

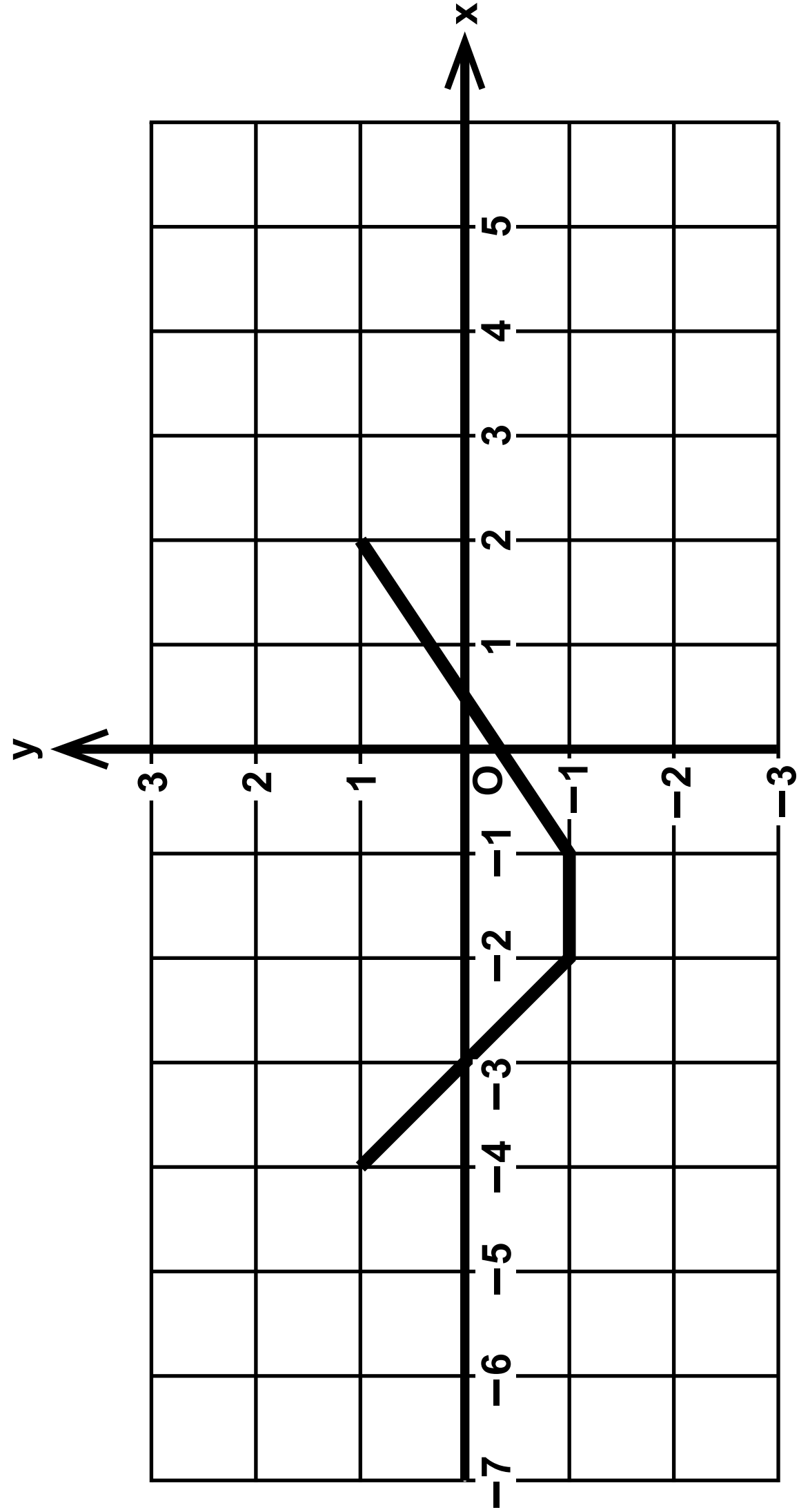


Question 17





Question 18(c)



Question 18(c)

