

**Paper Reference 4MA1/1H**  
**Pearson Edexcel**  
**International GCSE**

# **Mathematics A**

**PAPER 1H**  
**Higher Tier**  
**(Calculator)**

**Wednesday 8 November 2023 – Morning**

## **Diagram Booklet**

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

<b>Surname</b>					
<b>Other names</b>					
<b>Centre Number</b>					
<b>Candidate Number</b>					

## INSTRUCTIONS

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

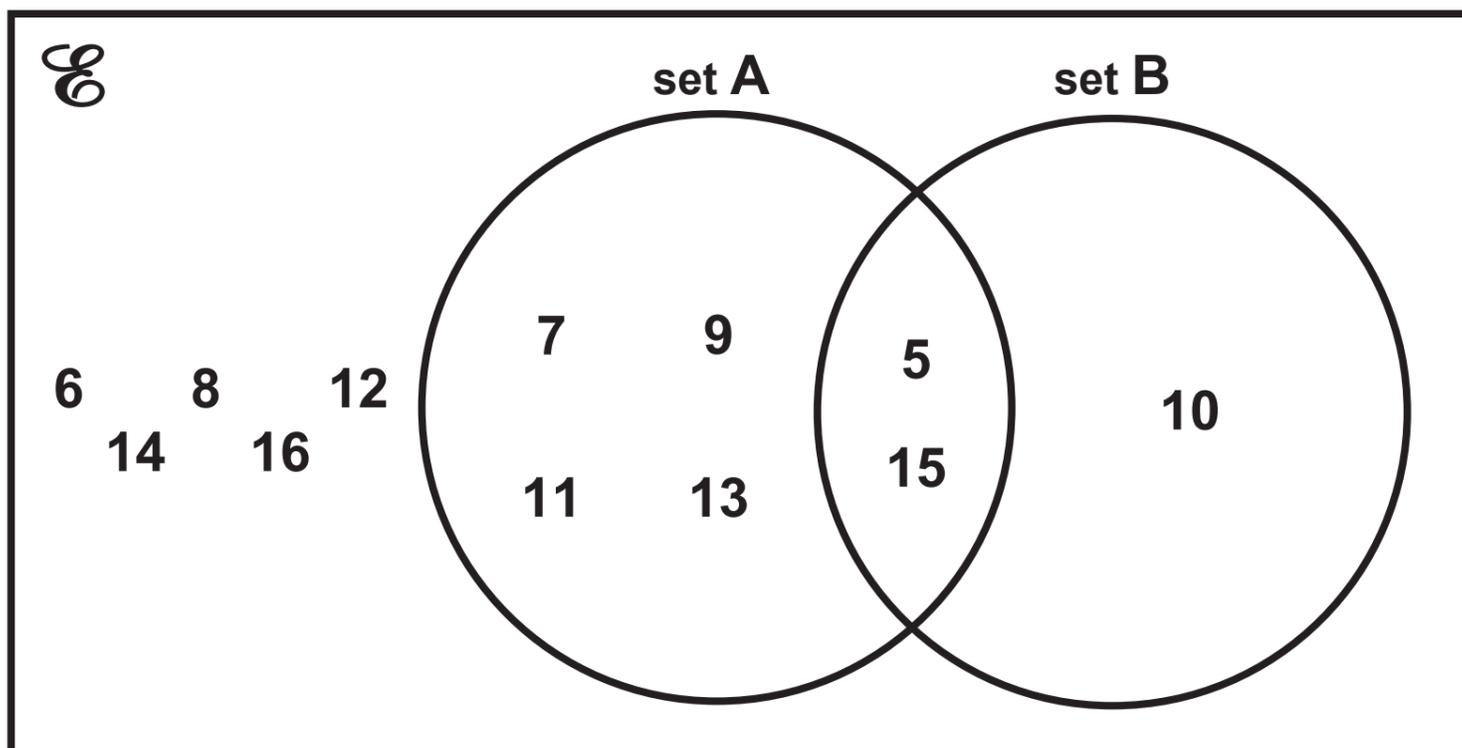
**THIS DIAGRAM BOOKLET MUST BE RETURNED WITH THE QUESTION PAPER AT THE END OF THE EXAMINATION.**

## Contents

### Page

4	Question 1
5	Question 4
6	Question 5 (NOT accurately drawn)
7	Question 6
8	Question 8(b)
9	Question 10 (NOT accurately drawn)
10	Question 12(b)
11	Question 12(c)
12	Question 13
13	Question 14 (NOT accurately drawn)
14	Question 17
15	Question 18 (NOT accurately drawn)
16	Question 21 (NOT accurately drawn)
17	Question 23
18	Question 24(b)
<b>Spare Copies</b>	
19	Question 12(b)

Question 1

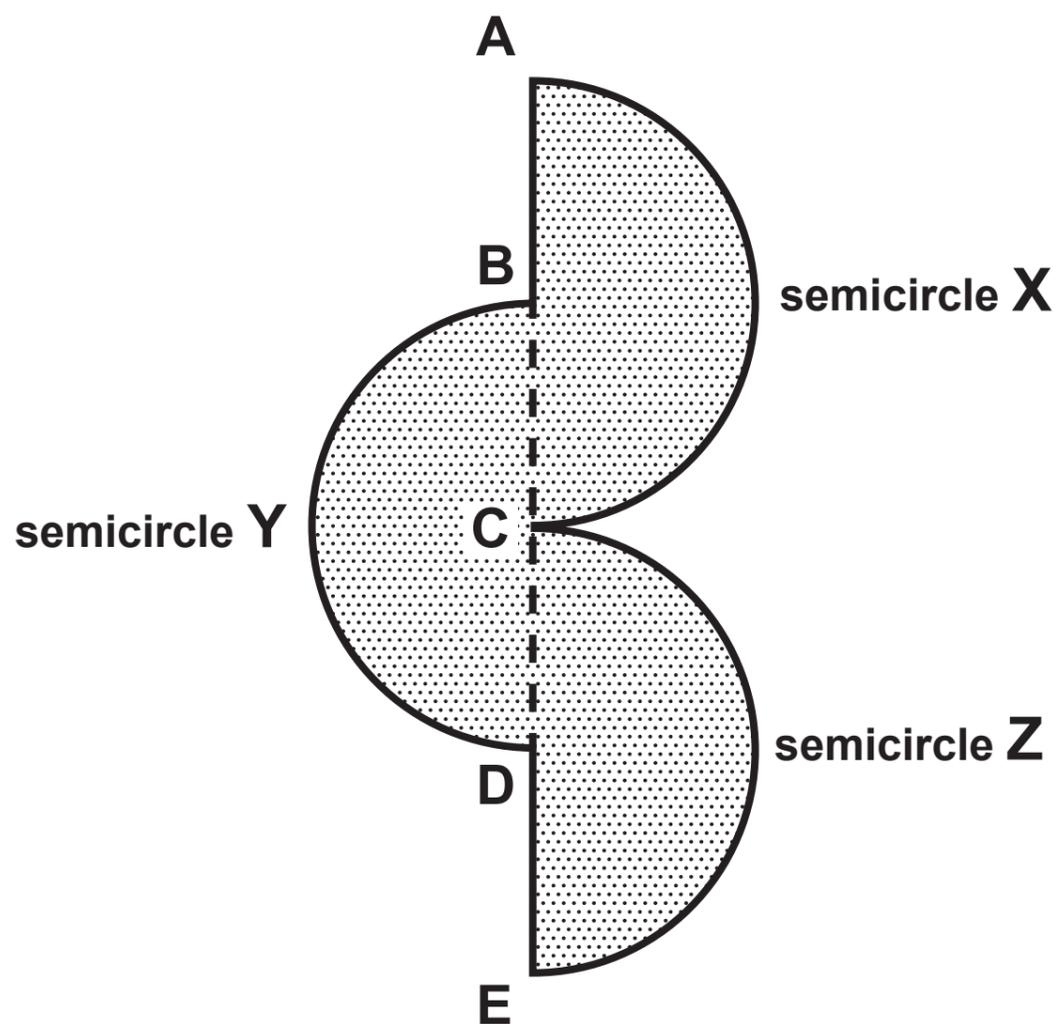


## Question 4

<b>Colour</b>	<b>Probability</b>
<b>blue</b>	<b>0.58</b>
<b>orange</b>	<b>2x</b>
<b>white</b>	<b>x</b>

Question 5

Diagram NOT accurately drawn



## Question 6

Juan finds two different types of ticket he can buy in a sale, ticket **A** and ticket **B**

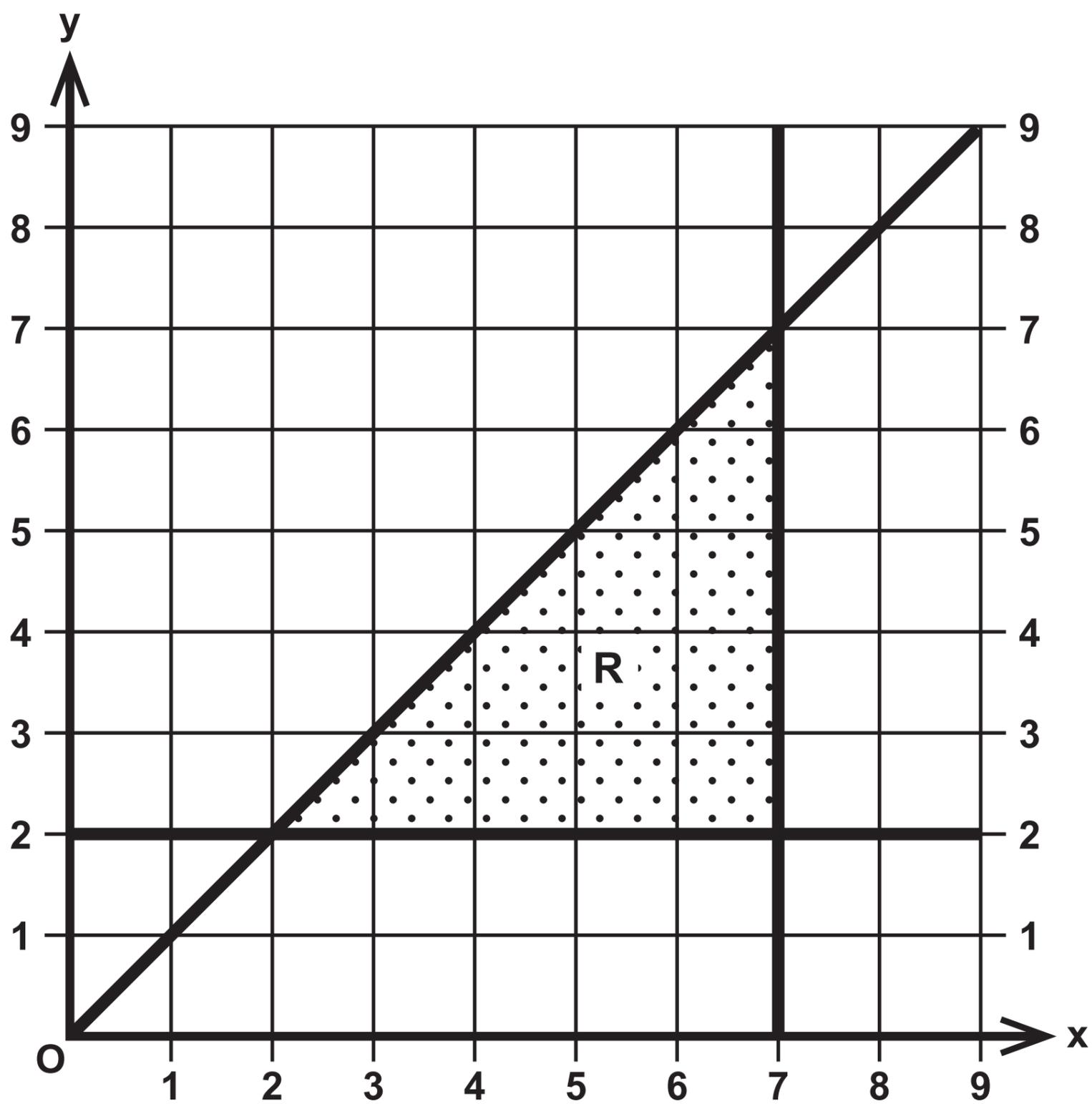
ticket **A**:  $\frac{1}{6}$  off normal price

ticket **B**: 20% off normal price

The sale price of ticket **A** is 140 euros.

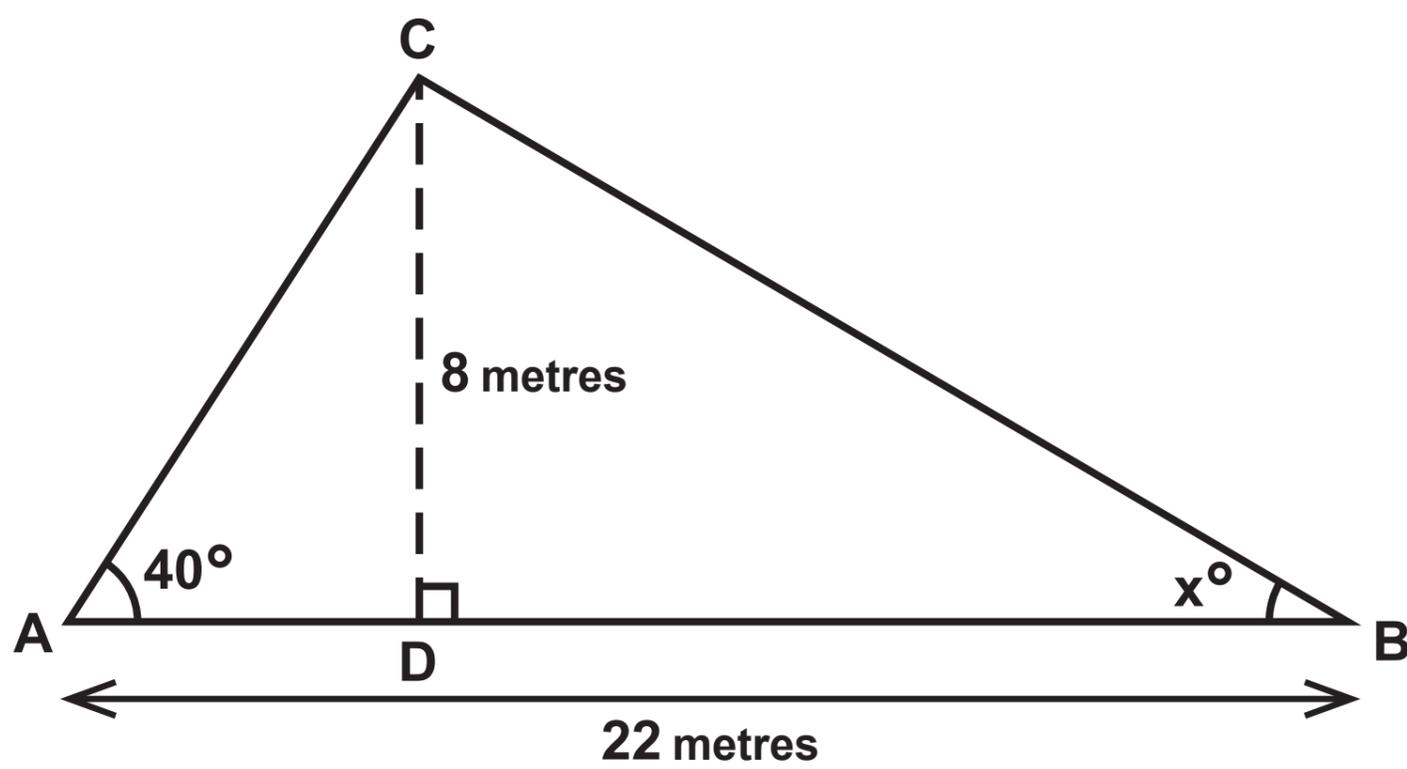
The sale price of ticket **B** is 136 euros.

## Question 8(b)

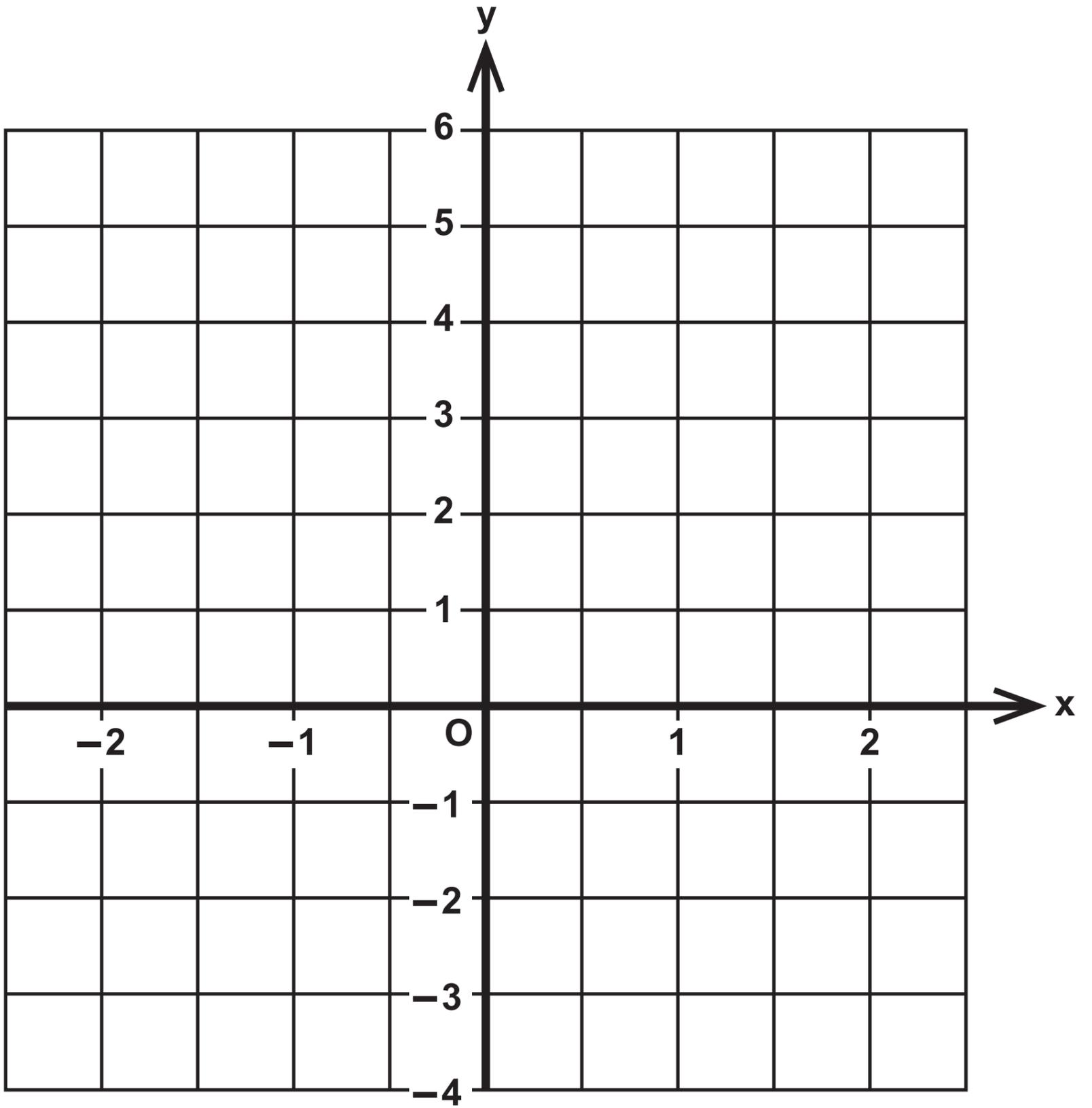


## Question 10

Diagram NOT accurately drawn

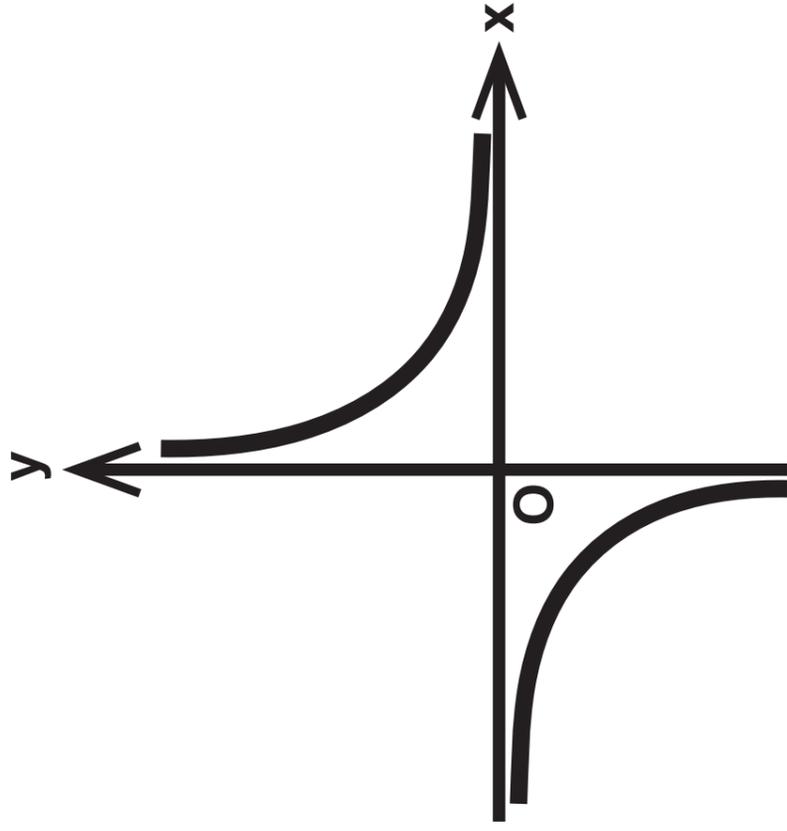


Question 12(b)

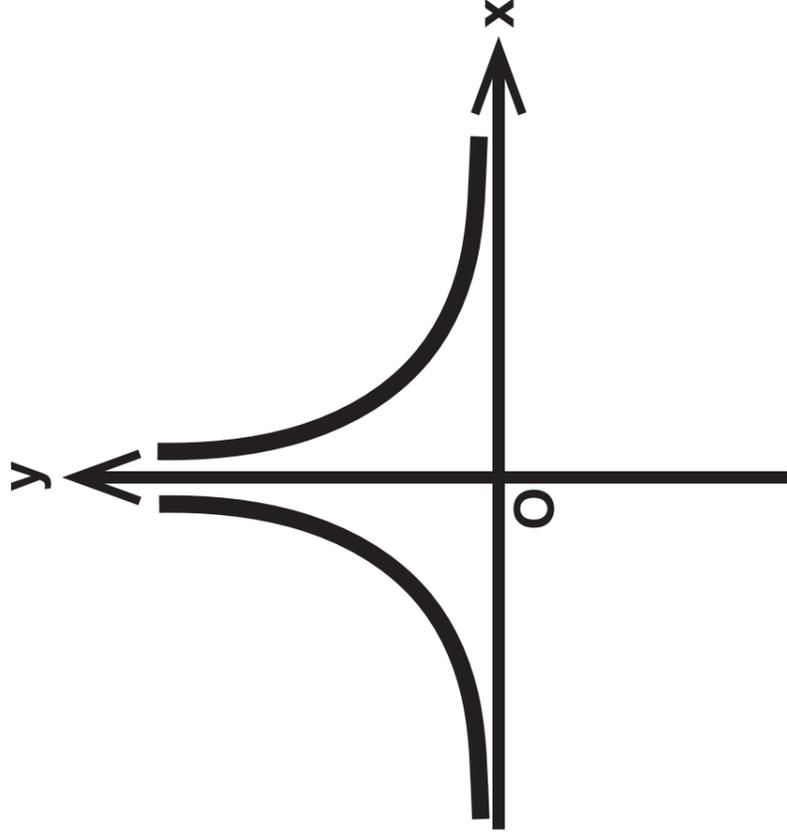


Question 12(c)

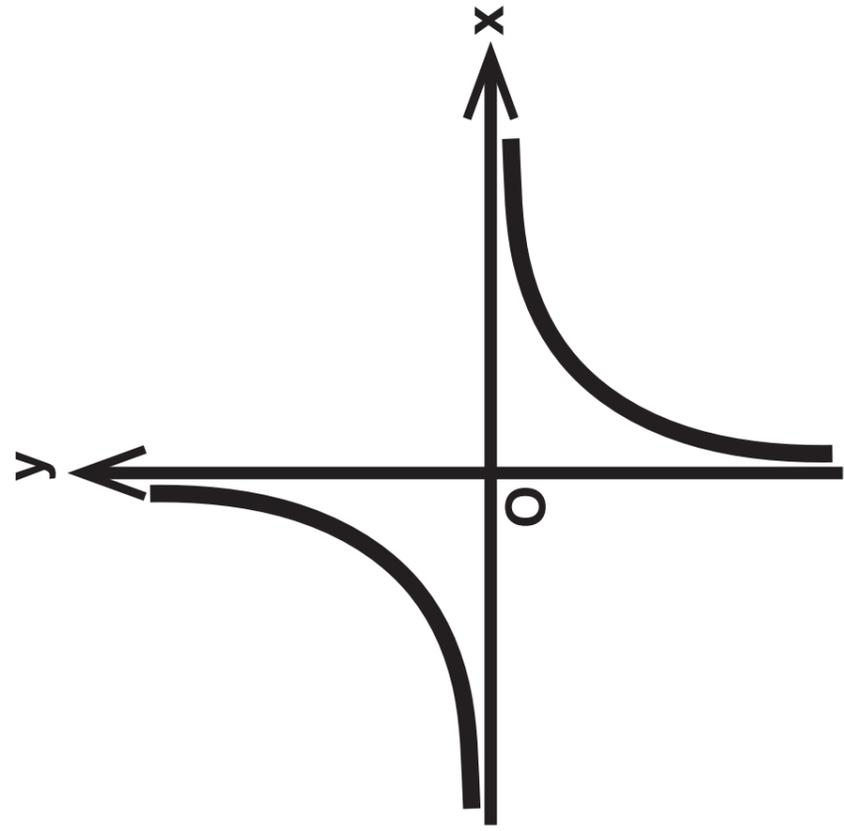
Graph A



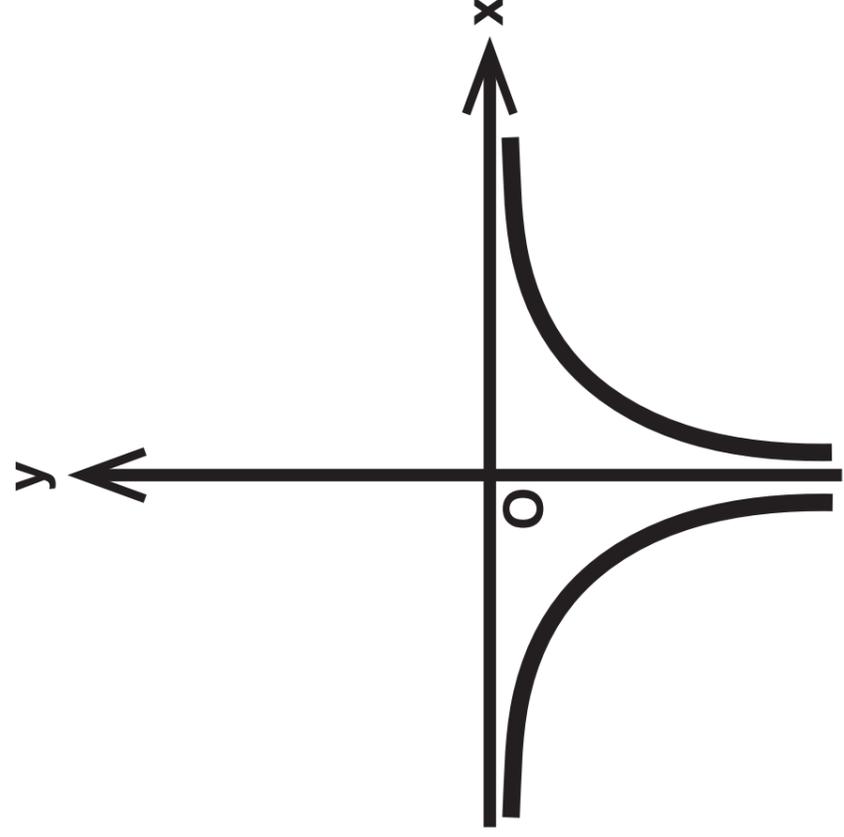
Graph B



Graph C

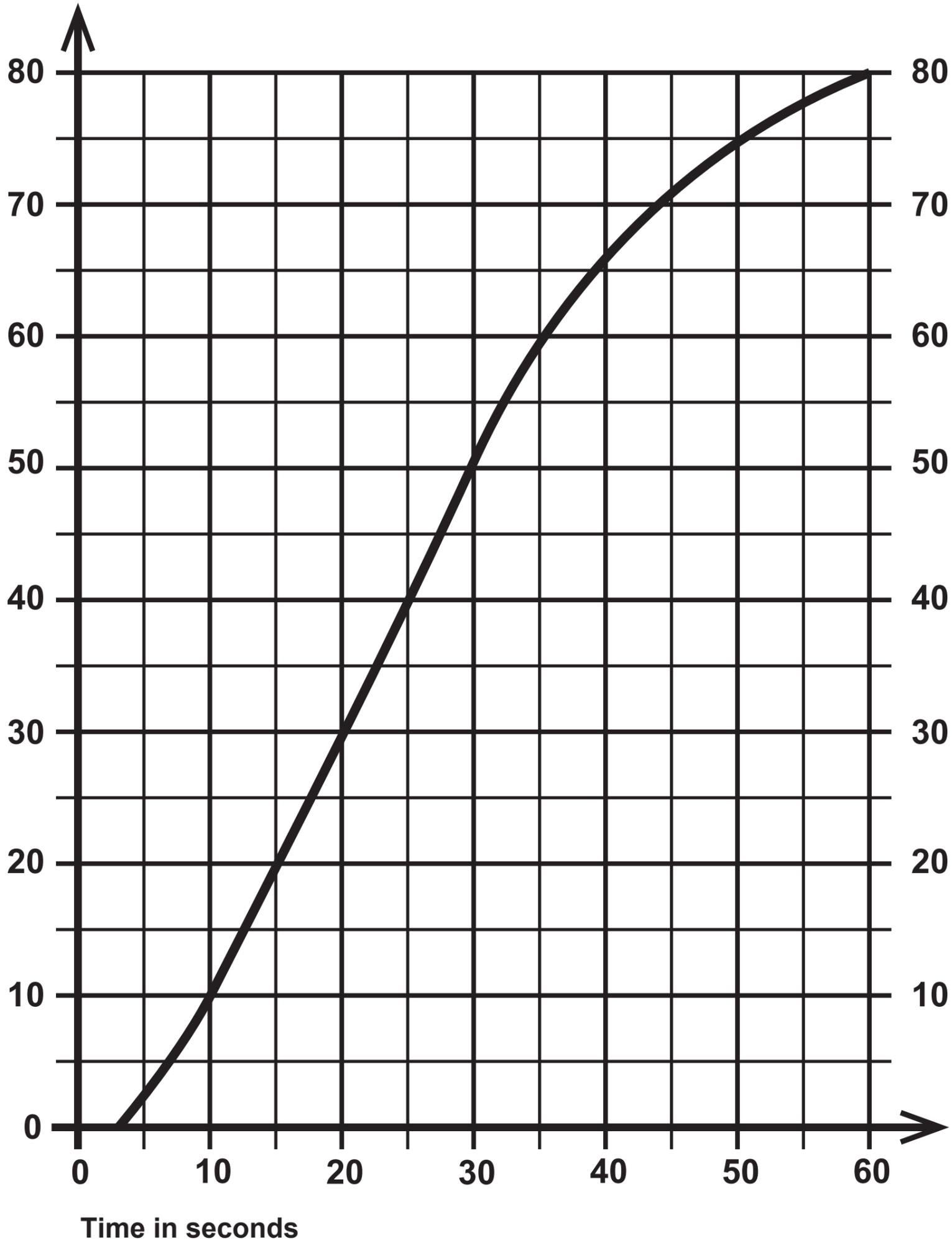


Graph D



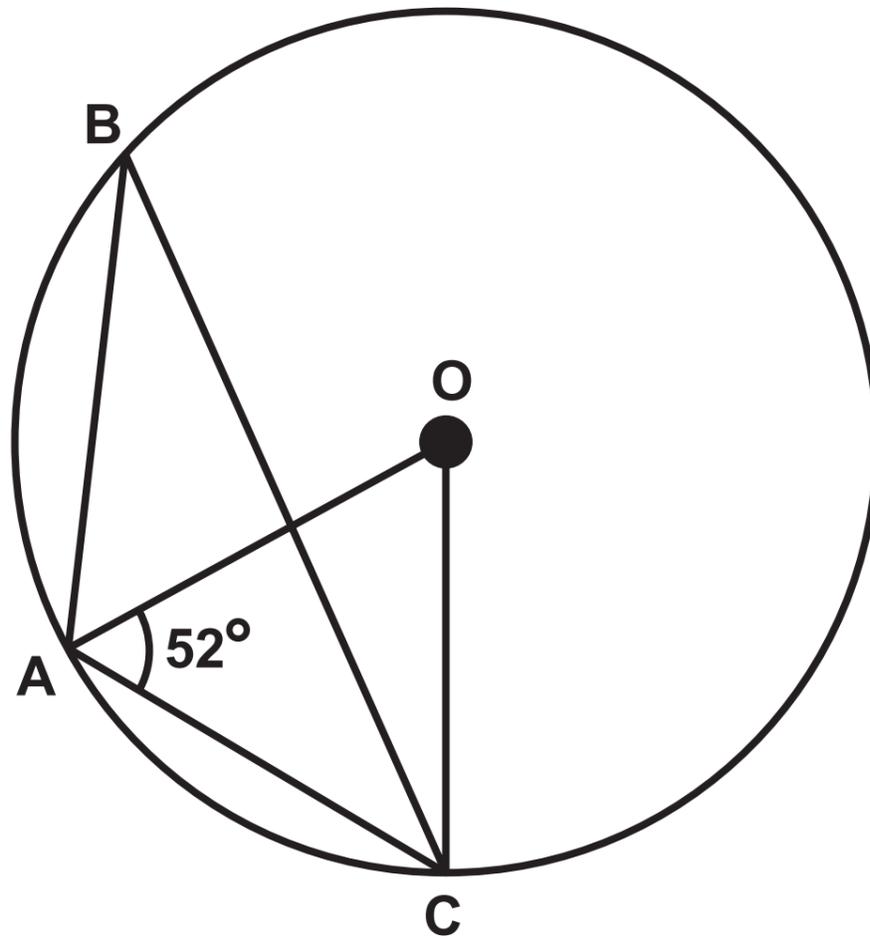
Question 13

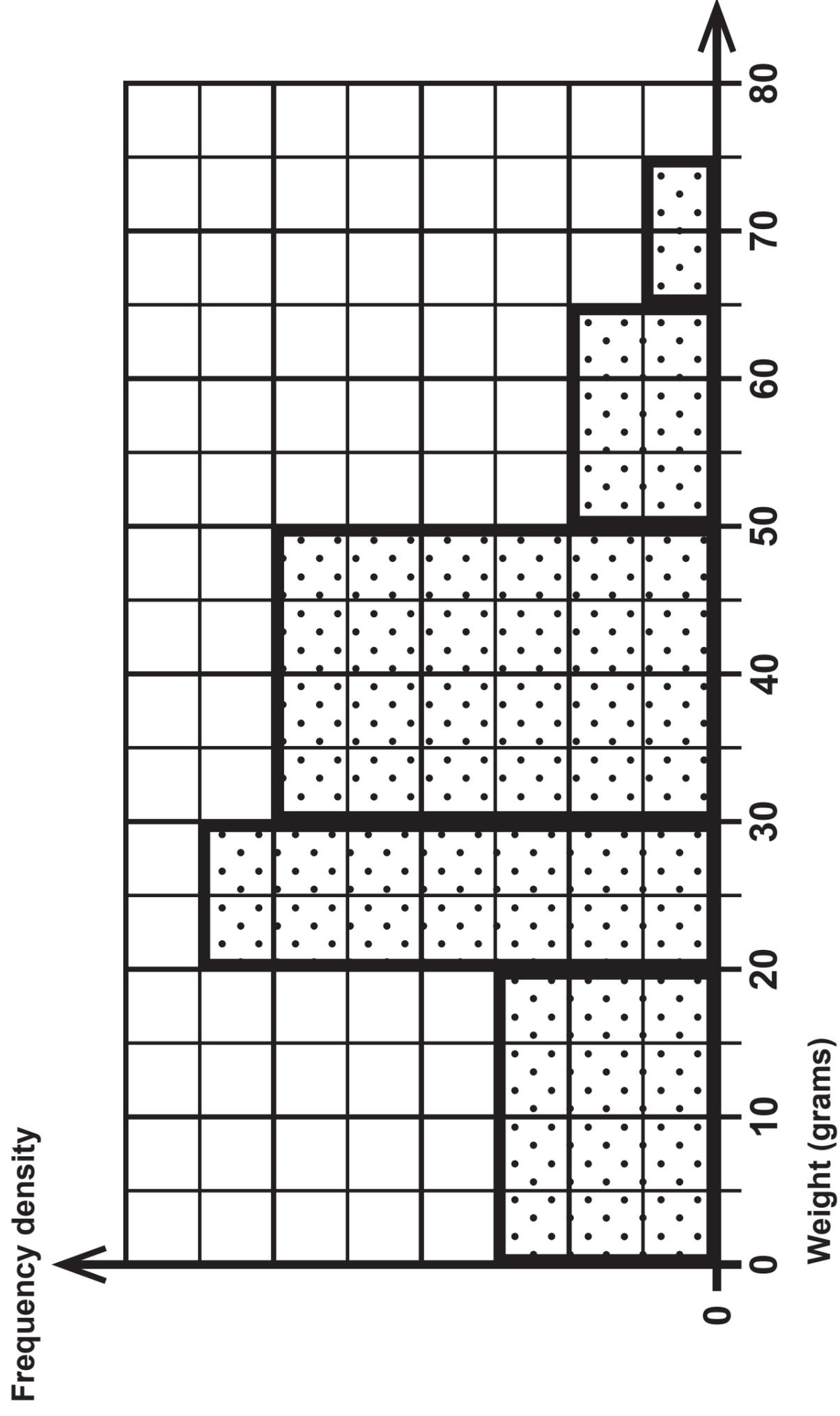
Cumulative frequency



Question 14

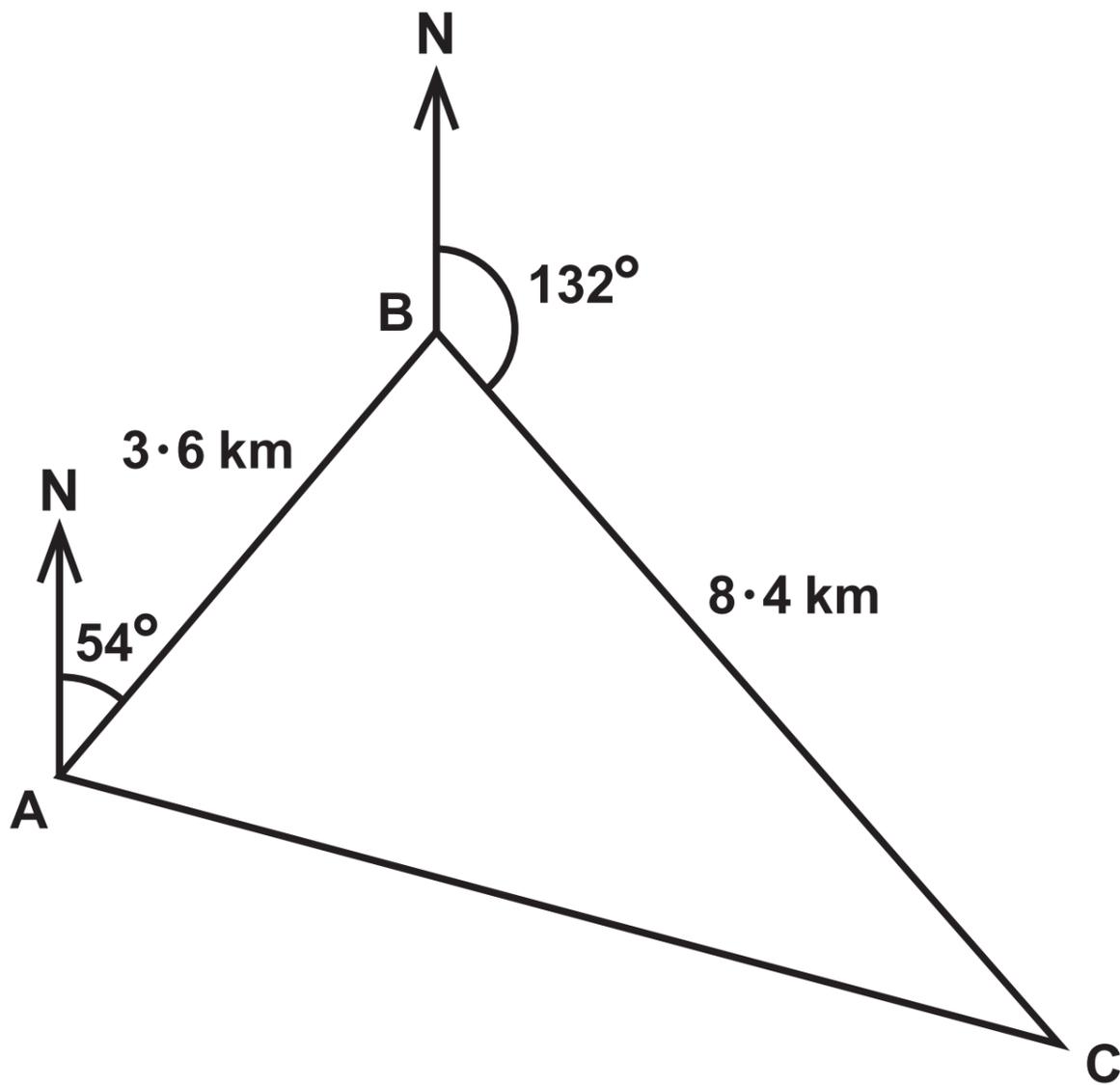
Diagram NOT accurately drawn





Question 18

Diagram NOT accurately drawn



Question 21

Diagram NOT accurately drawn

Diagram 1 – 3D view

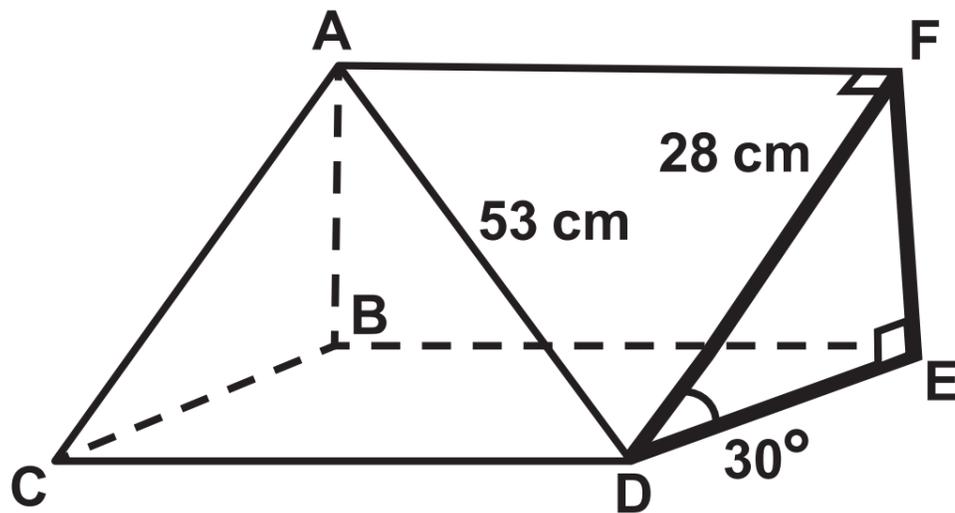


Diagram 2 – triangular face

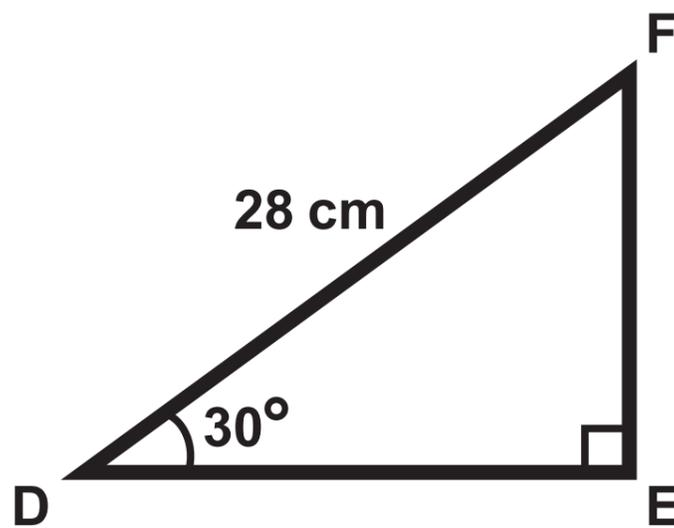
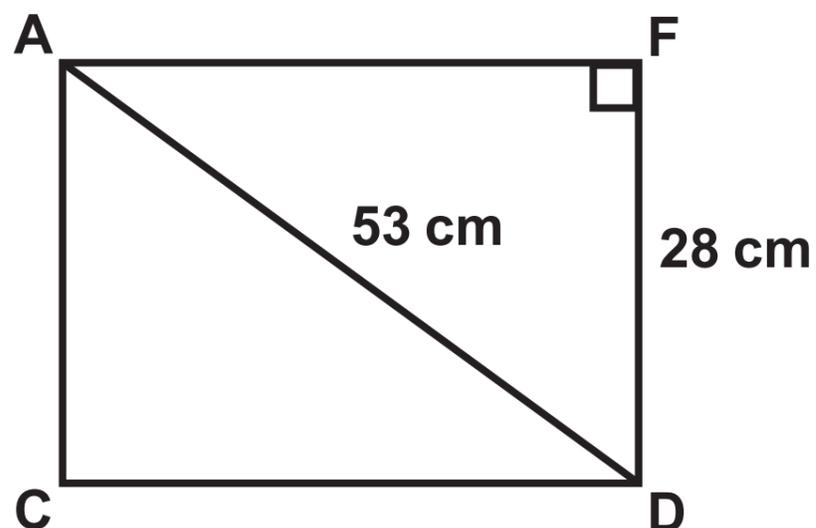


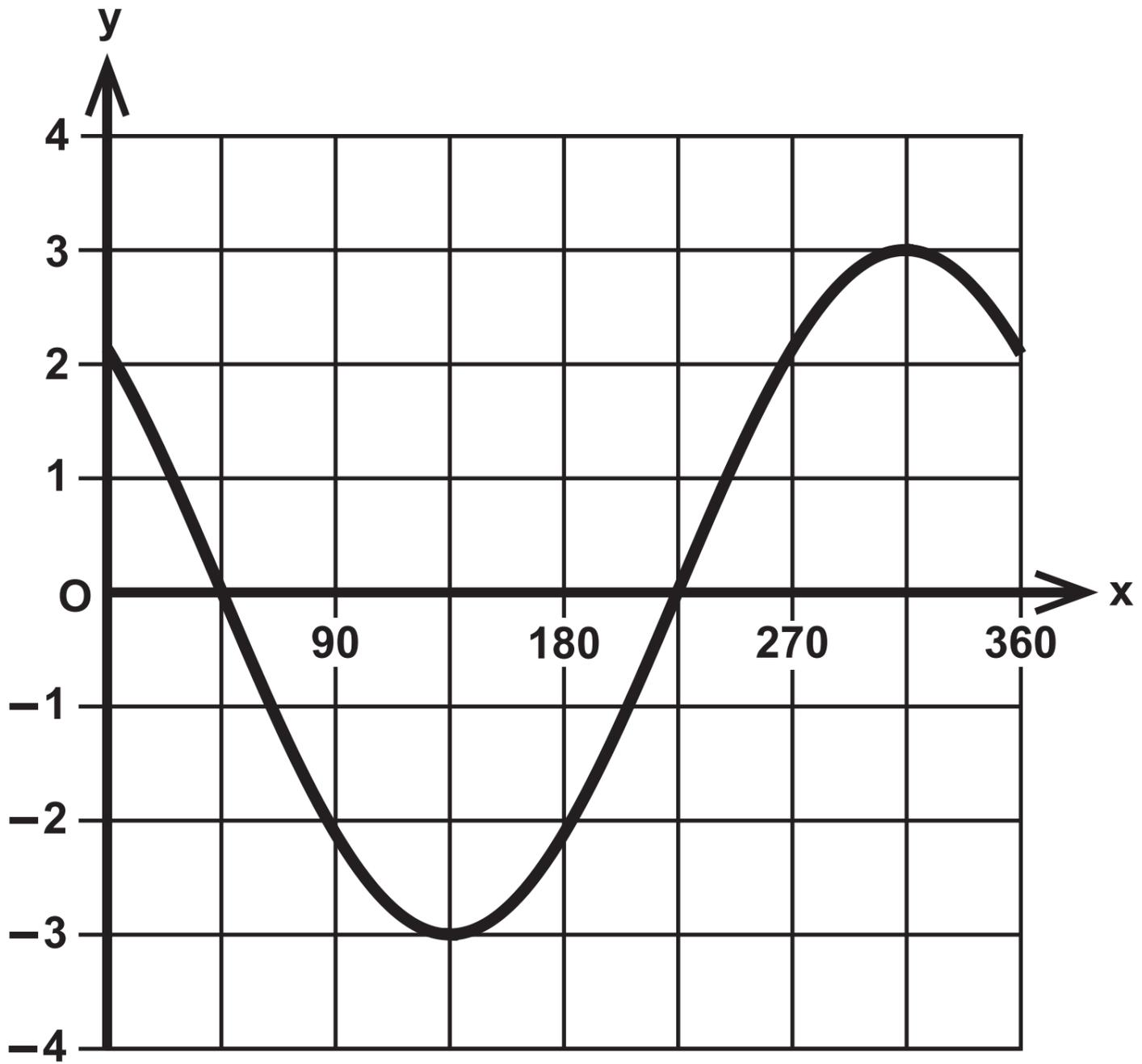
Diagram 3 – sloping face



## Question 23

	<b>solid A</b>	<b>solid B</b>
<b>Height (cm)</b>	$3^x$	
<b>Area (cm<sup>2</sup>)</b>	<b>7776</b>	<b>486</b>
<b>Volume (cm<sup>3</sup>)</b>	$8^x$	$2^{x+4}$

Question 24(b)



Question 12(b)

