

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.

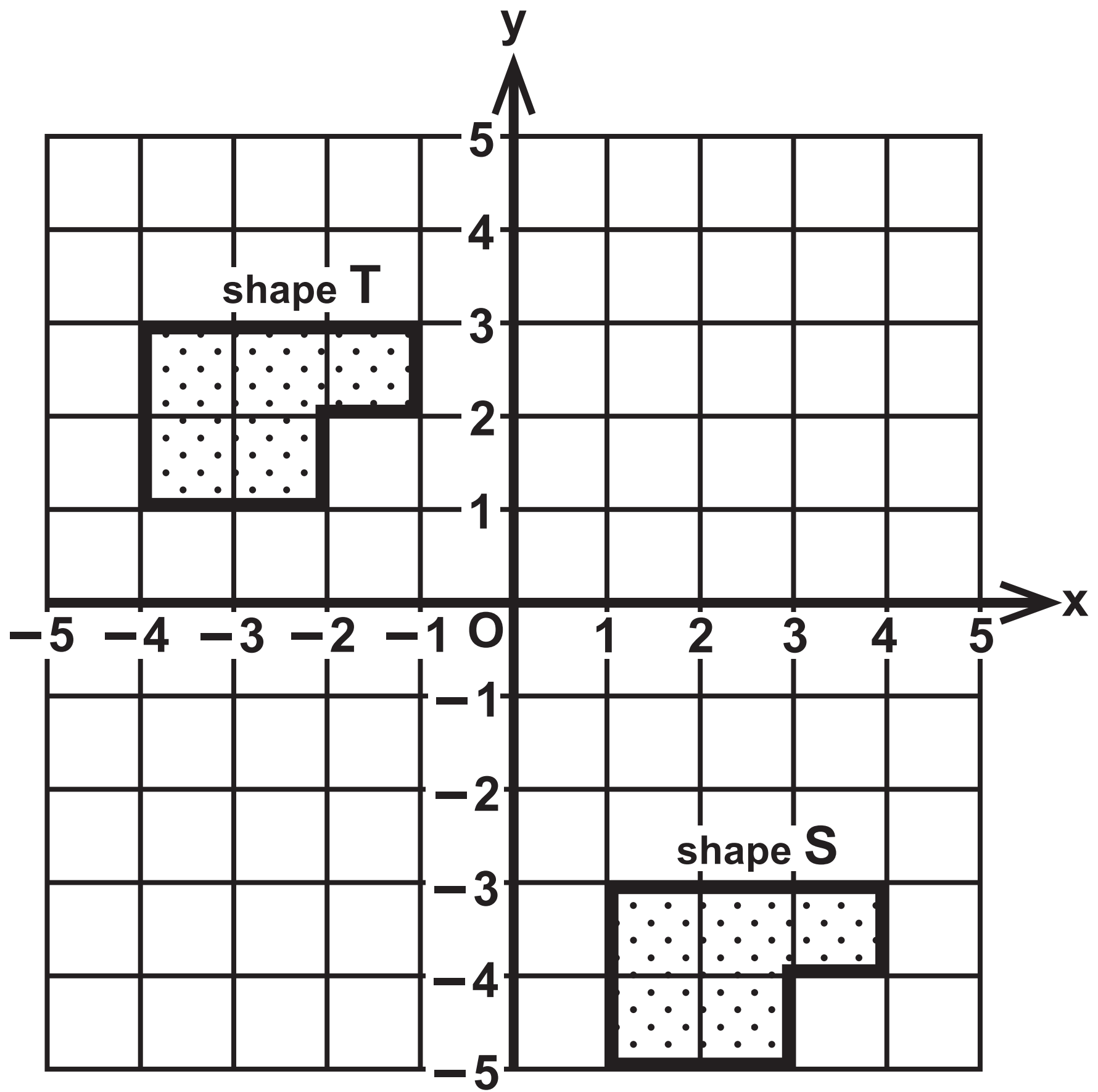
**THIS DIAGRAM BOOKLET MUST BE RETURNED  
WITH THE QUESTION PAPER AT THE END OF THE  
EXAMINATION.**

## **Contents**

### **Page**

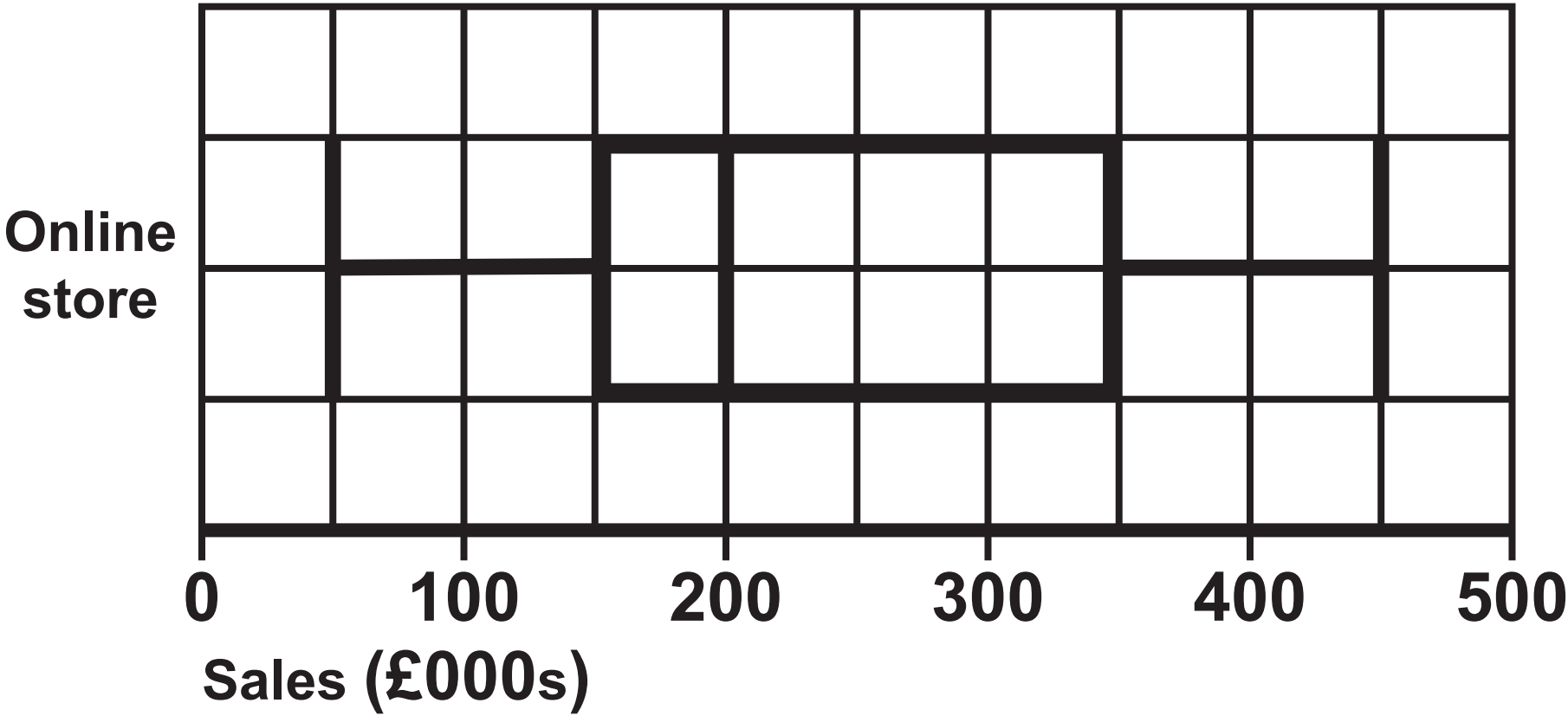
<b>4</b>	<b>Question 2</b>
<b>5</b>	<b>Question 10(a) and Question 10(b)</b>
<b>6</b>	<b>Question 10(a) and Question 10(b) (Spare copy)</b>
<b>7</b>	<b>Question 13</b>
<b>8</b>	<b>Question 16</b>
<b>9</b>	<b>Question 16 (Spare copy)</b>
<b>10</b>	<b>Question 17 – Diagrams</b>
<b>11</b>	<b>Question 17 – Formulas</b>
<b>12</b>	<b>Question 18</b>
<b>13</b>	<b>Question 20</b>
<b>14</b>	<b>Question 21(a)</b>
<b>15</b>	<b>Question 21(a) (Spare copy)</b>
<b>16</b>	<b>Question 21(b)</b>

# Question 2

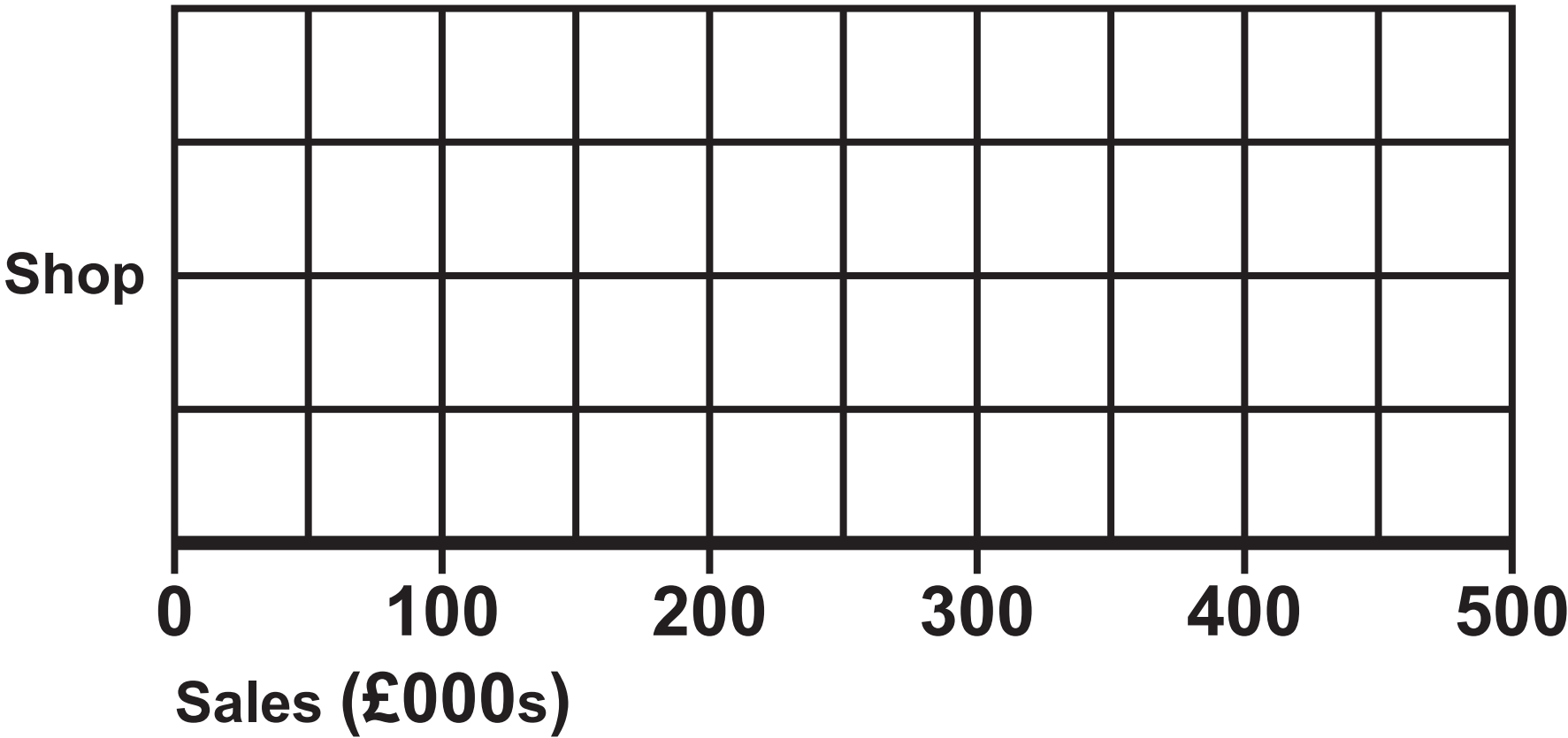


Question 10(a) and Question 10(b)

Question 10(a)

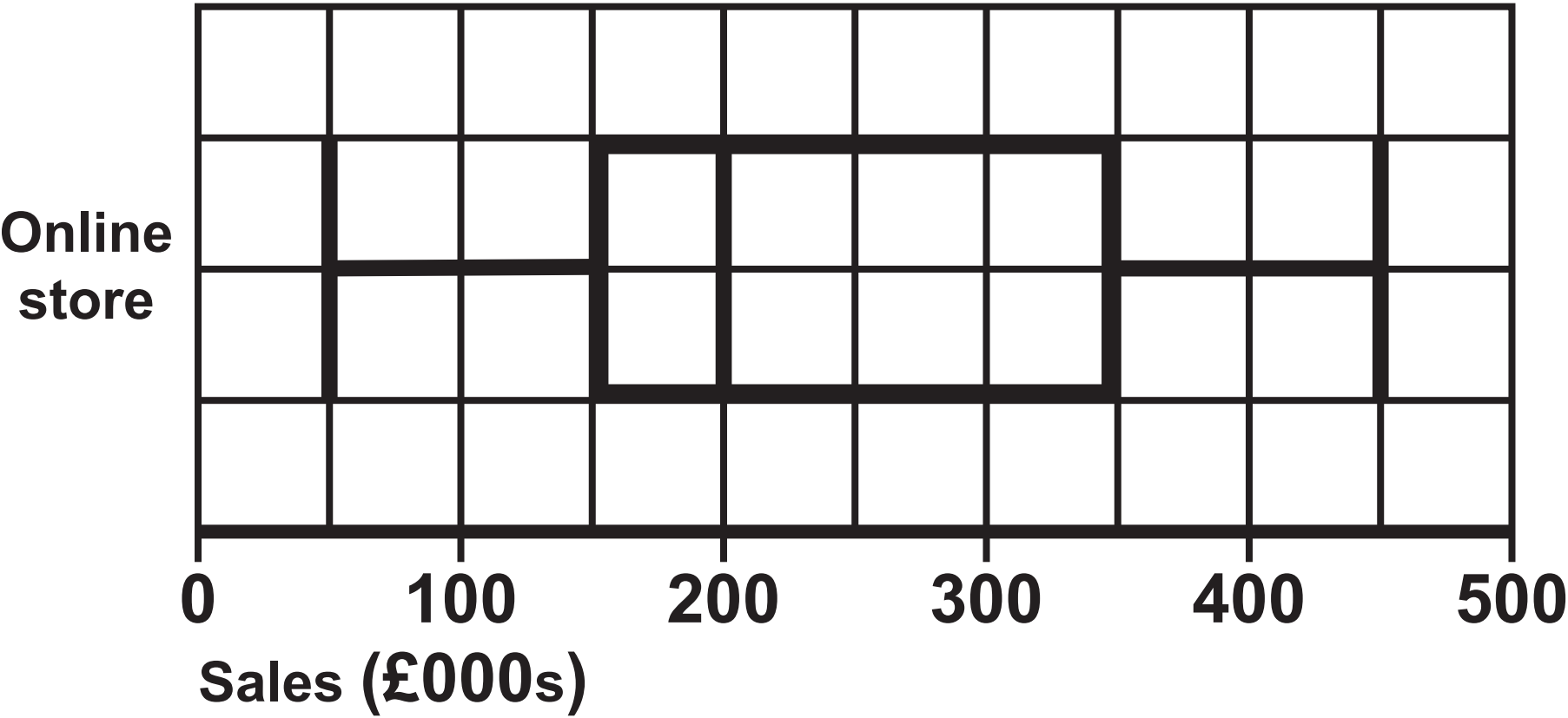


Question 10(b)

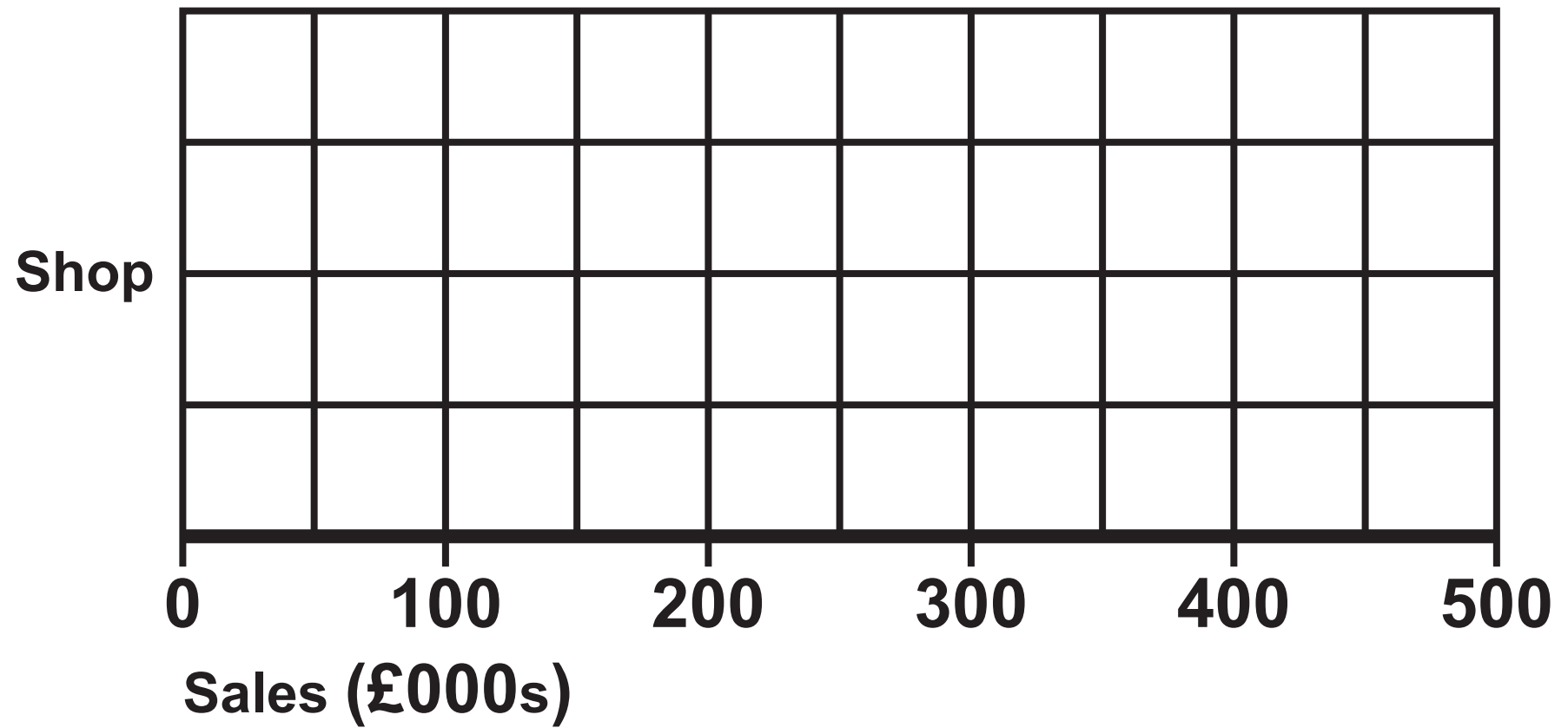


Question 10(a) and Question 10(b)

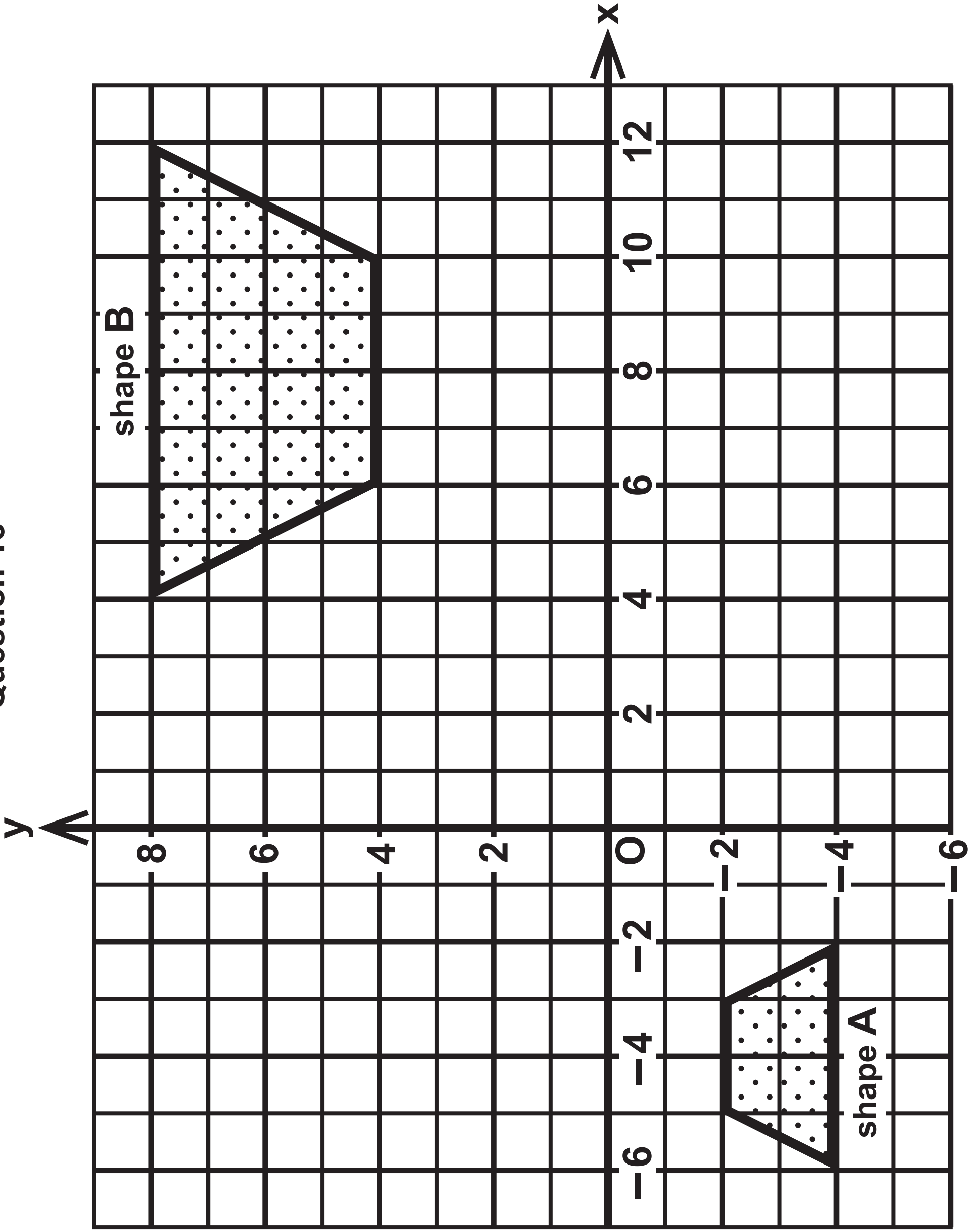
Question 10(a)



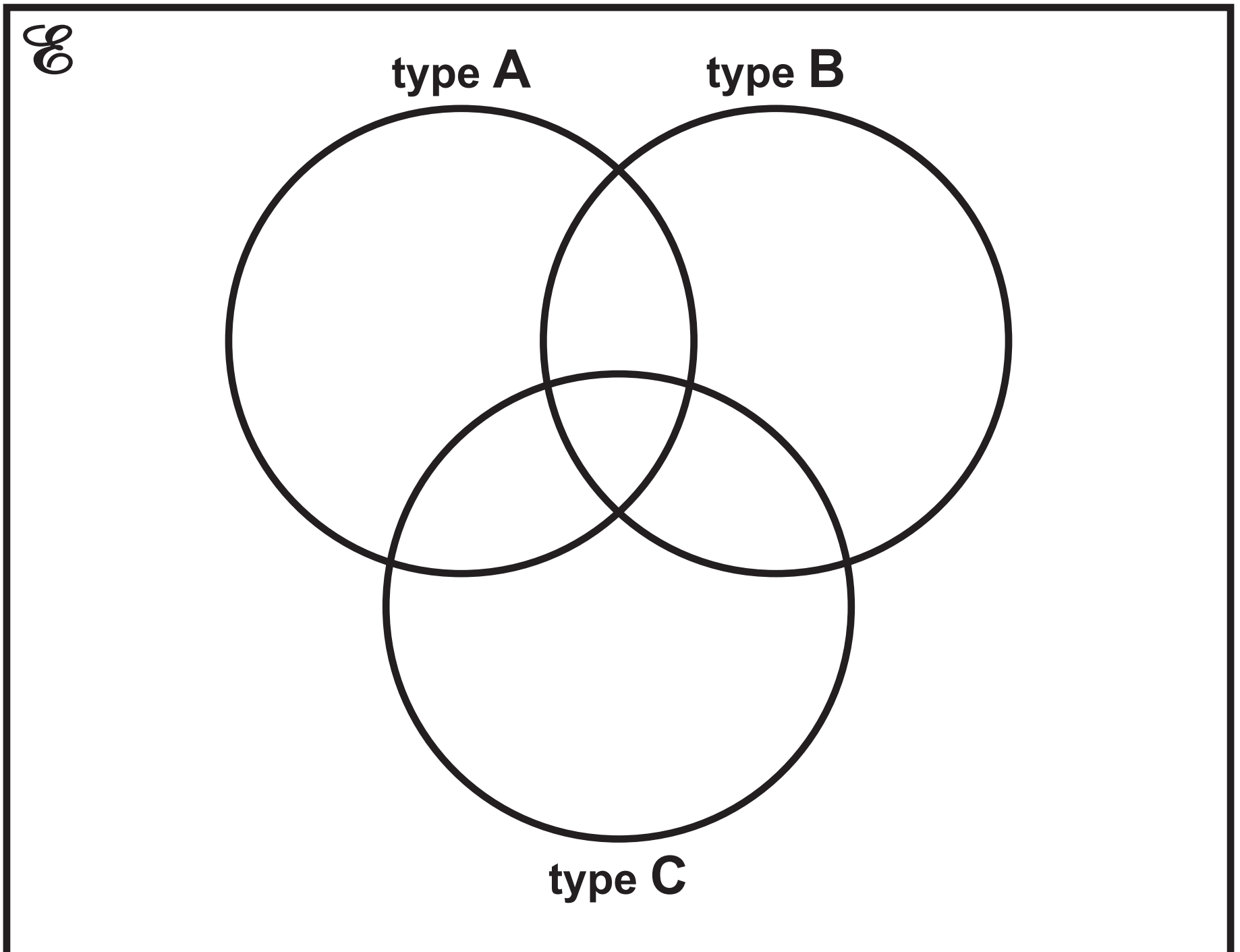
Question 10(b)



Question 13

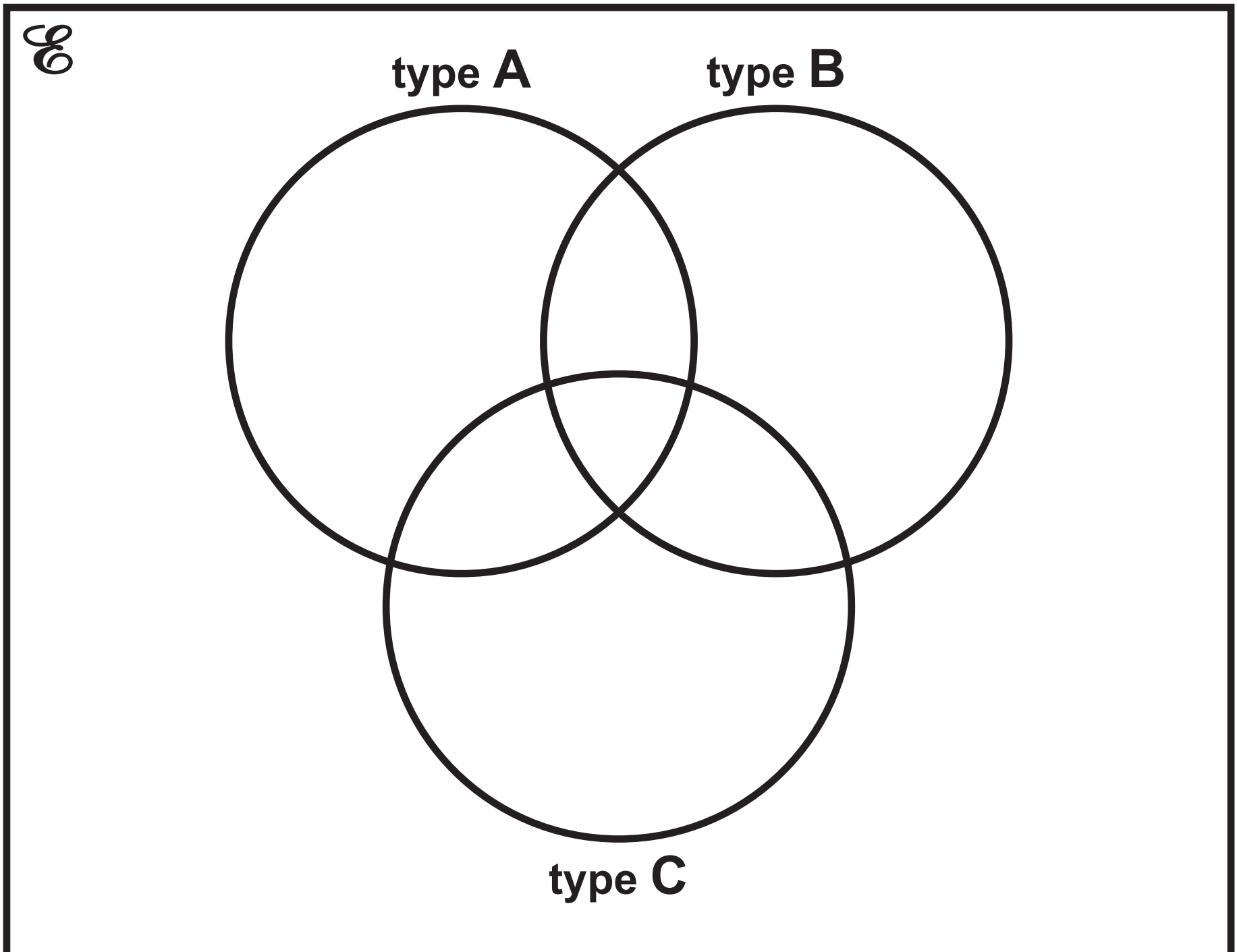


Question 16





Question 16



Question 17 – Diagrams

Diagram 1

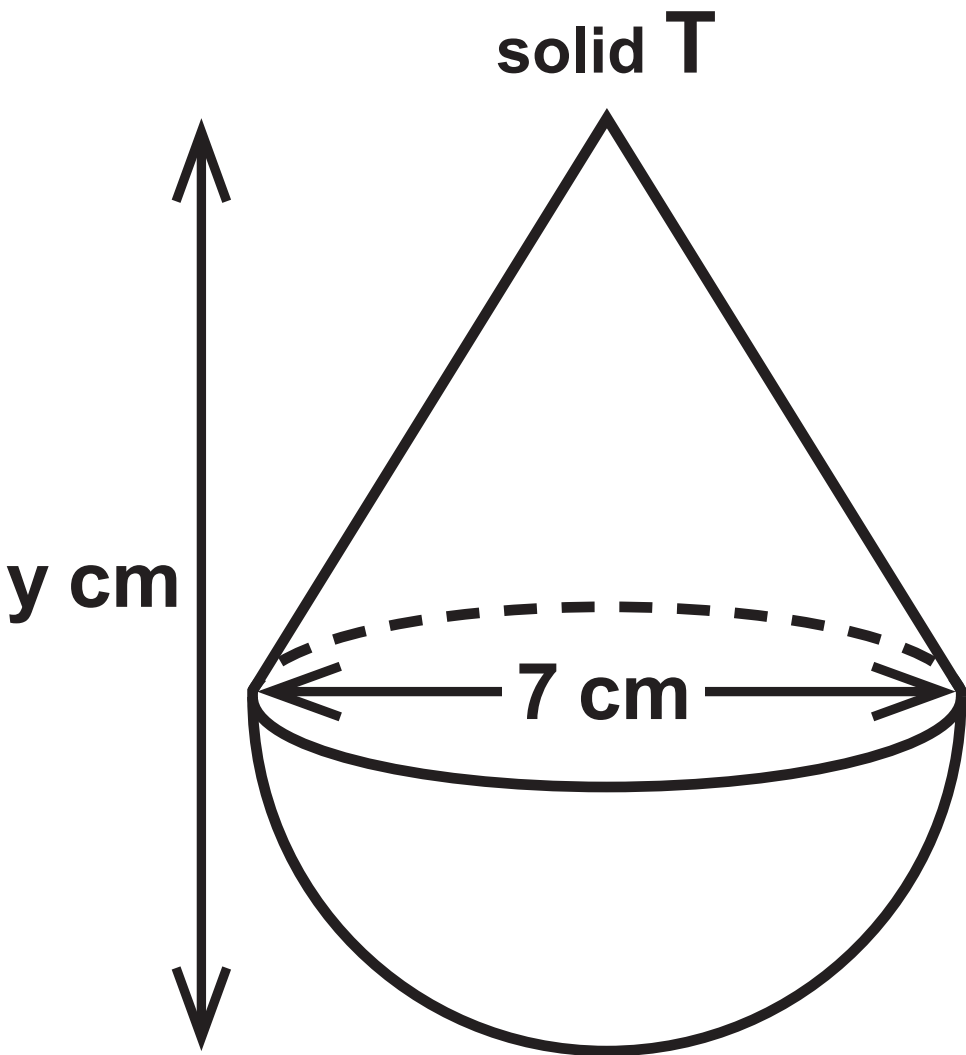
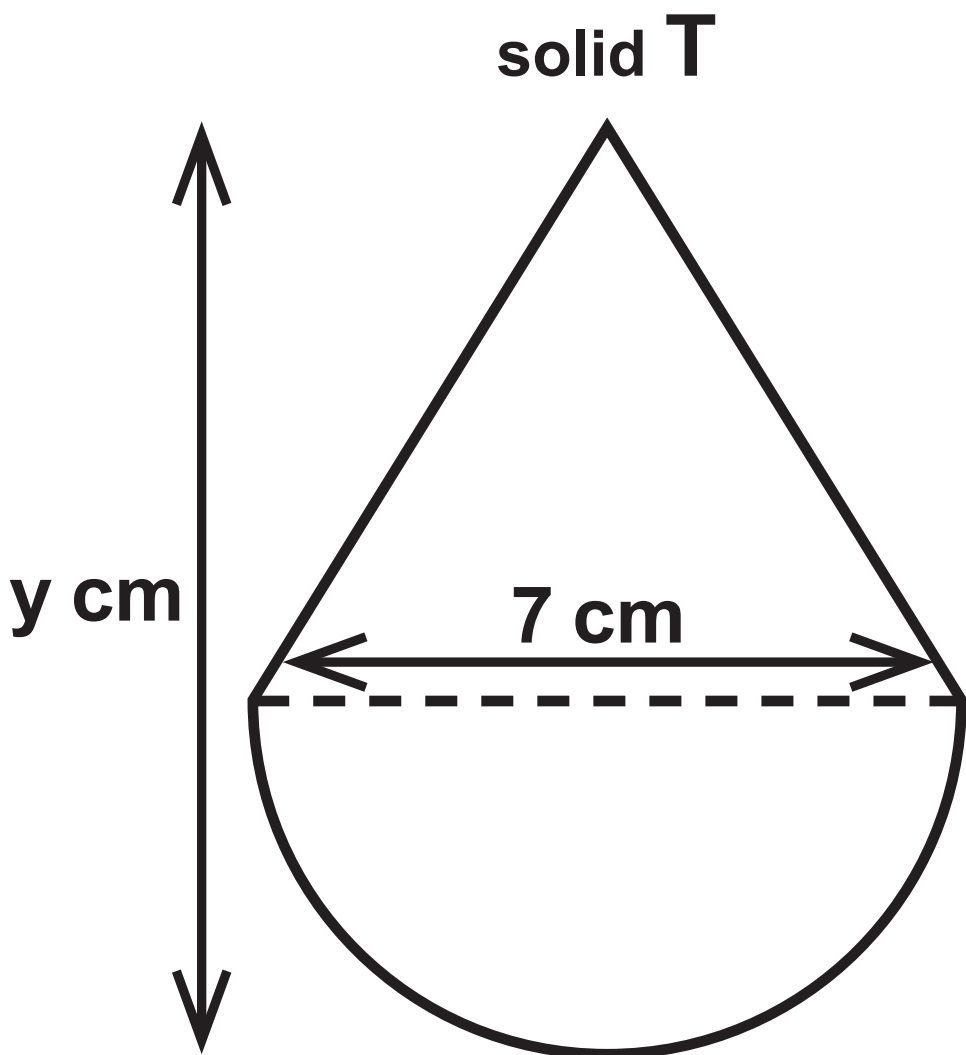
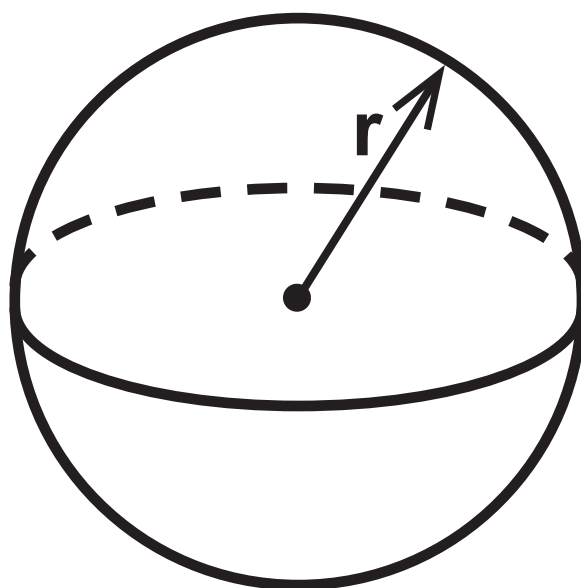


Diagram 2



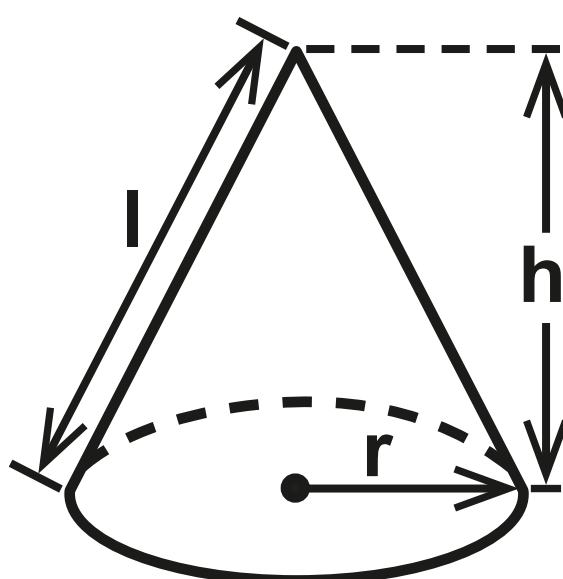
## Question 17 – Formulas

**Volume of sphere =  $\frac{4}{3} \pi r^3$**



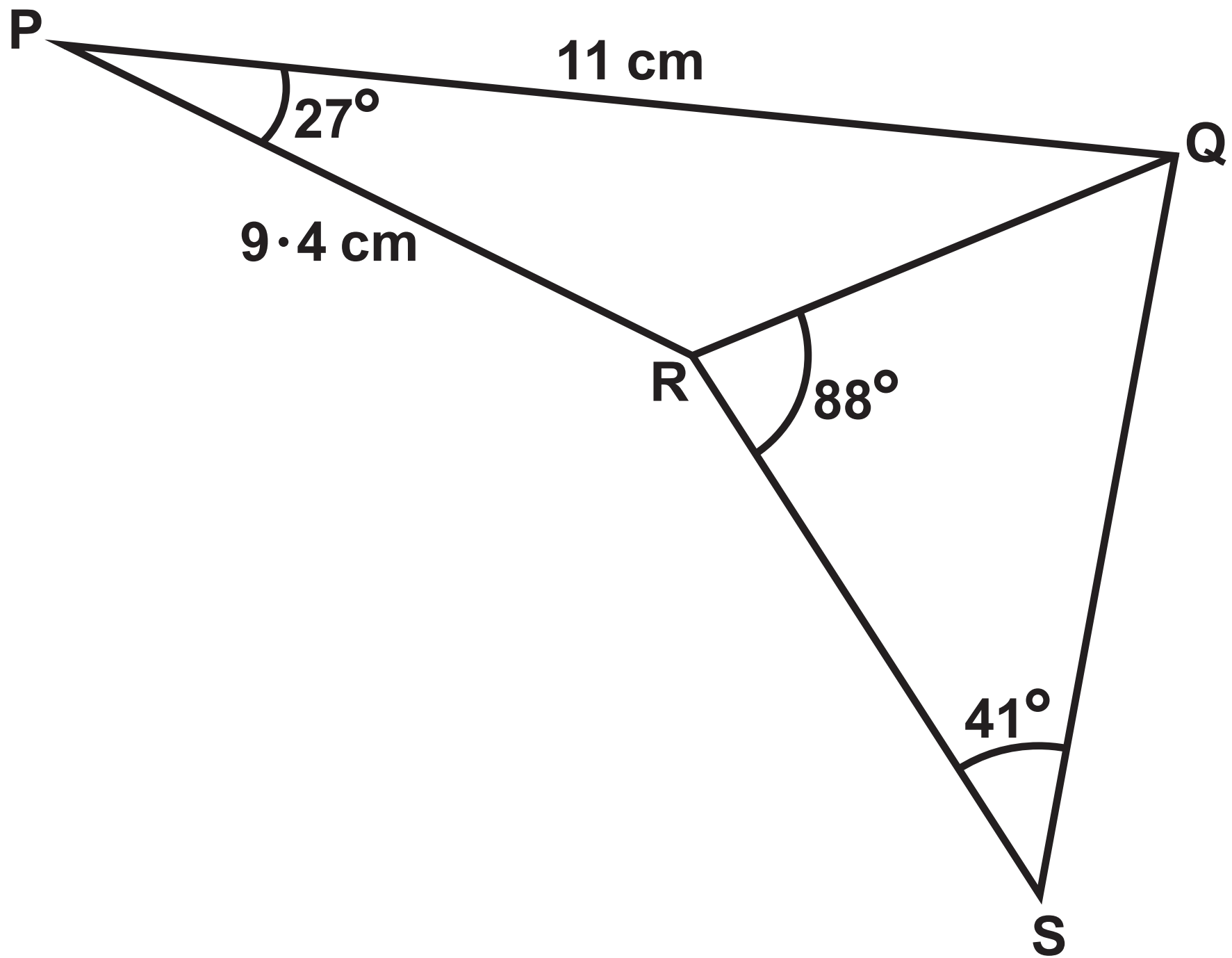
You may be provided with a model.

**Volume of cone =  $\frac{1}{3} \pi r^2 h$**

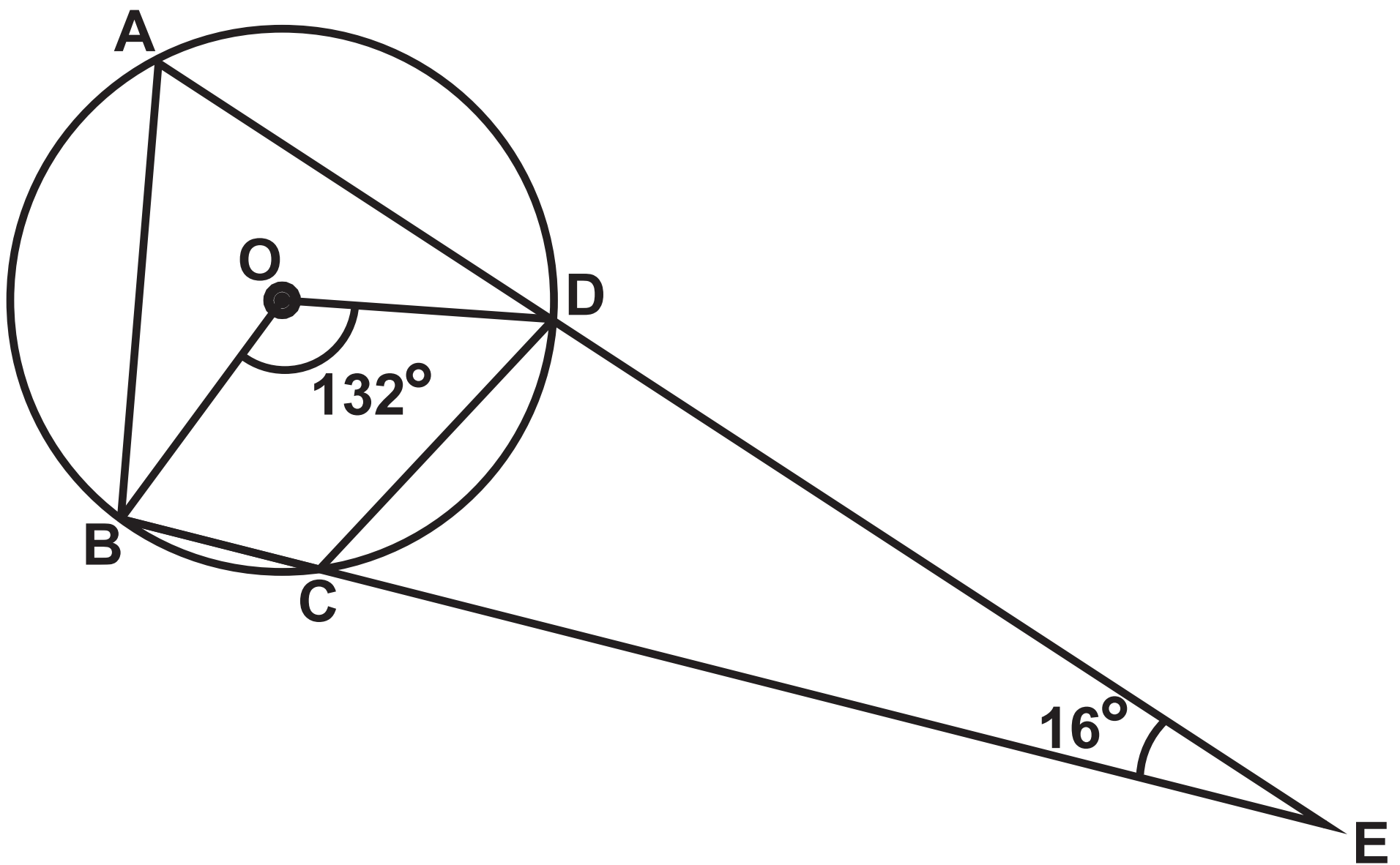


You may be provided with a model.

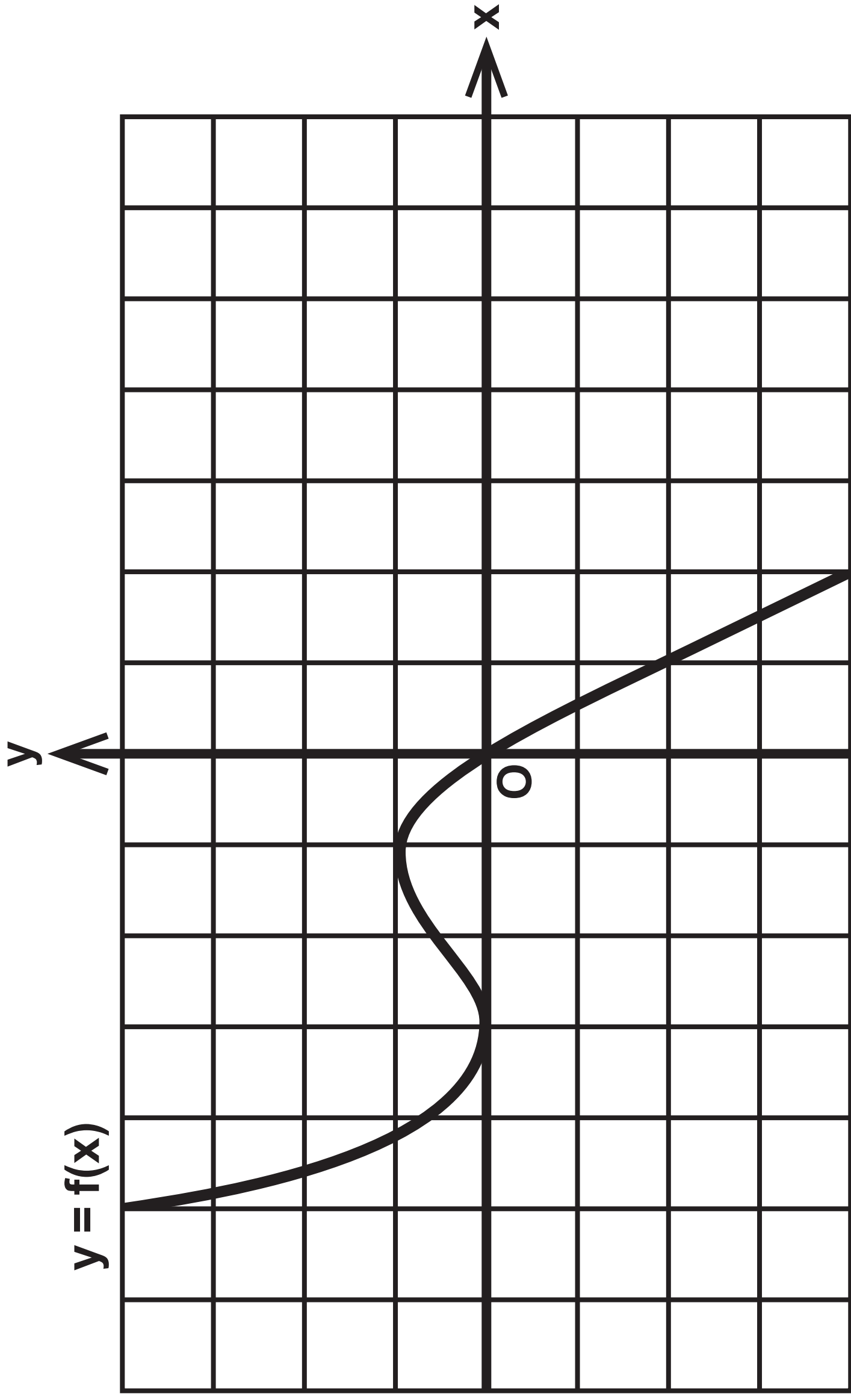
Question 18



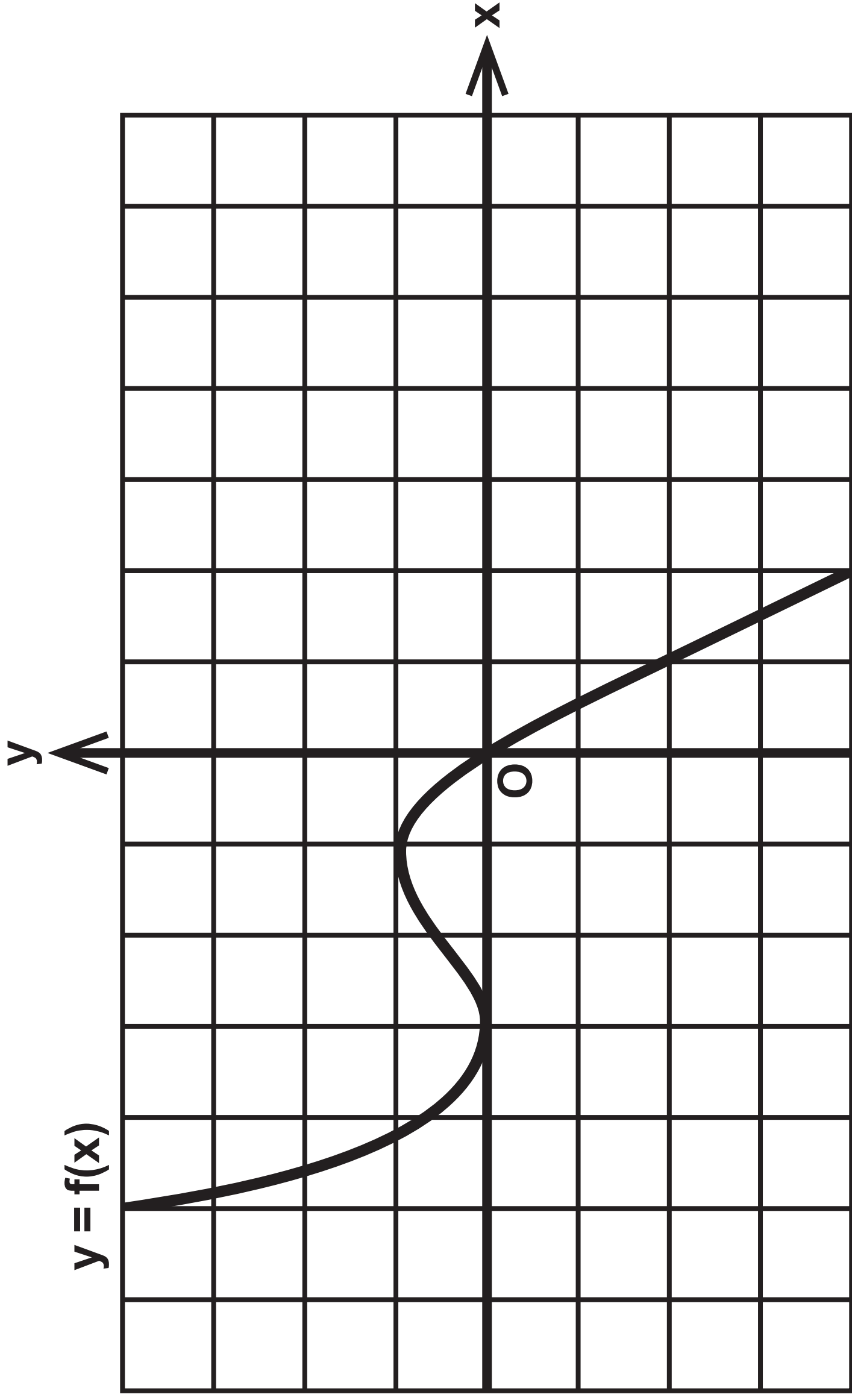
Question 20



Question 21(a)



Question 21(a)



Question 21(b)

