* 9 M E 4 *

9	M	E	4	(	A	)

Please stick the barcode label in the box.

Education Bureau
Territory-wide System Assessment 2017
Secondary 3 Mathematics
ANSWER BOOKLET

INSTRUCTIONS

1. Write your School Code, Class and Class Number in the boxes provided on this page.
2. Stick barcode labels in the spaces provided on page 1 and page 3.
3. The time allowed is 65 minutes.
4. Write ALL your answers in the spaces provided in this ANSWER BOOKLET.
5. Do not write in the margins.
6. Unless otherwise specified, numerical answers should be either exact or correct to 3 significant figures.
7. The use of HKEAA approved calculators is permitted.
8. Rough work should be done on the rough work sheet provided.

School Code	S				Class	3		Class No.		

Write one capital letter in this box.

SECTION A: Multiple Choice Questions

MC Questions – Blacken the circle under the correct answer with an **HB pencil.** For example :

A	B	C	D
●	○	○	○

	A	B	C	D
1.	○	○	○	○
2.	○	○	○	○
3.	○	○	○	○
4.	○	○	○	○
5.	○	○	○	○
6.	○	○	○	○
7.	○	○	○	○
8.	○	○	○	○
9.	○	○	○	○
10.	○	○	○	○

Please do not write in the margin.

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Please stick the barcode label in the box. →

	A	B	C	D
11.	○	○	○	○
12.	○	○	○	○
13.	○	○	○	○
14.	○	○	○	○
15.	○	○	○	○
16.	○	○	○	○
17.	○	○	○	○
18.	○	○	○	○
19.	○	○	○	○
20.	○	○	○	○

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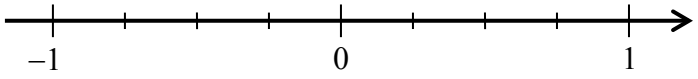
SECTION B: Write your answers in the spaces provided. Working need not be shown.

21. _____

22. _____

23. 

24. $x =$ _____

$y =$ _____

25. _____

26. _____

27. _____

28. *Circle the correct answer

* exact solution ／ approximate solution

29. _____

30. $\frac{2015}{2016}$ ☐ $\frac{2016}{2017}$

31. The circumference of the circle is _____ cm.

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Please do not write in the margin.

Please do not write in the margin.

Please do not write in the margin.

32.

33. (a) $x =$ _____

(b) $y =$ _____

34. _____

35. The polar coordinates of point A are (_____ , _____).

36. $\theta =$ _____

37. ( ) → ( ) → ( ) → ( )

38. (a) There are _____ part-time staff at the restaurant.

(b) The median of the hourly wages of the part-time staff is $_____ .

(c) Among these 4 part-time cooks, the lowest hourly wage is $_____ .

39. The modal class of the numbers of books borrowed is

_____ – _____ .

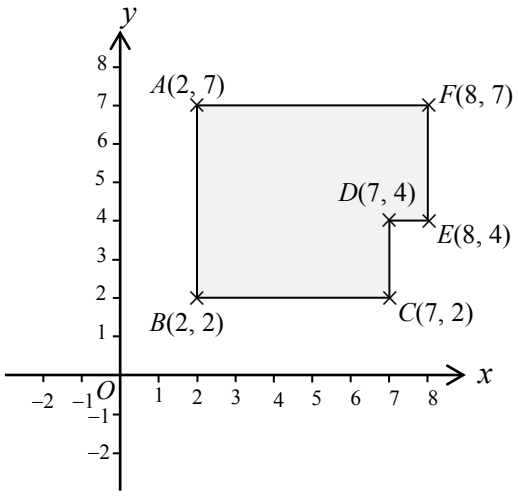
Go on to the next page

SECTION C: Answer in the spaces provided.
All working and conclusions must be clearly shown.

40.

41.

42.



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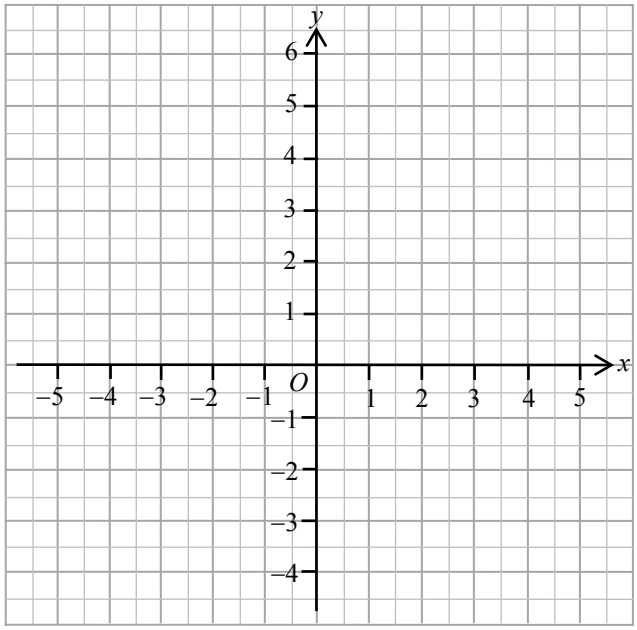
43.

44. $3x + 2y - 6 = 0$

x	y
–2	6
0	
4	



45.

∴ The theatre * has / has not enough seats for 800 people.

(*Circle the correct answer)

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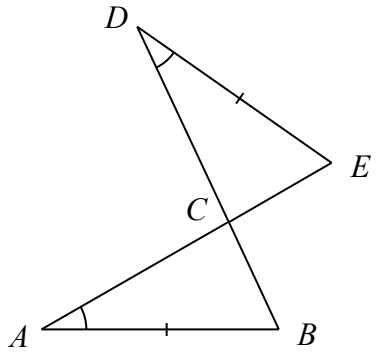
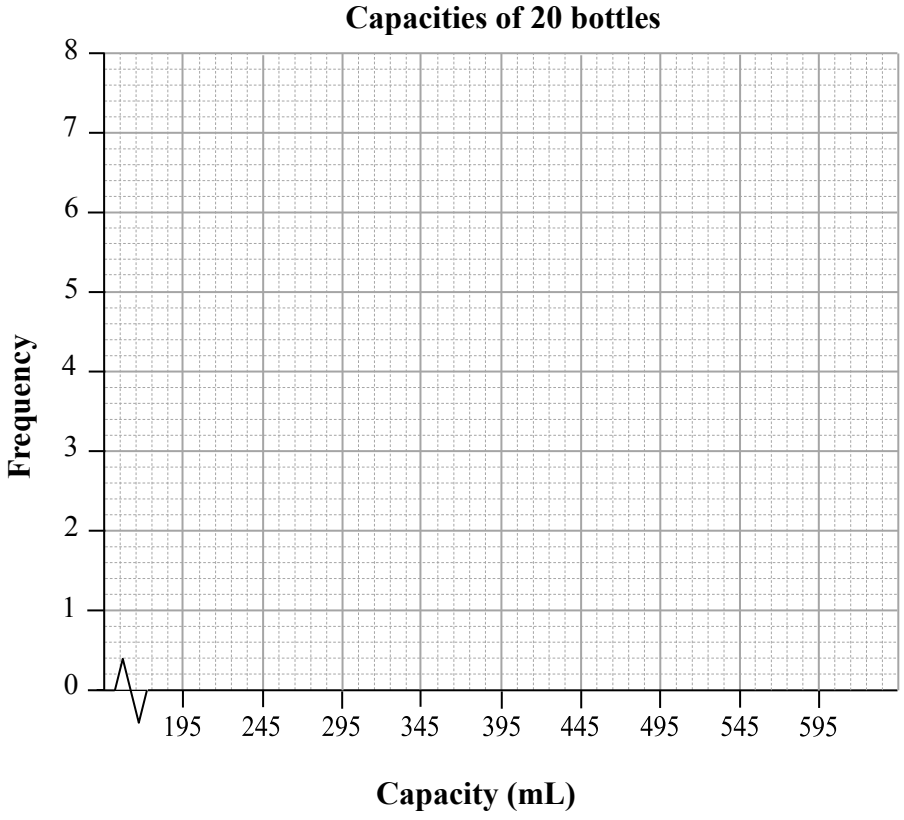
46.



47. (a)

Capacities (mL)	Class boundaries (mL)	Class mark (mL)	Frequency
200 – 290	195 – 295	245	3
300 – 390		345	6
400 – 490	395 – 495		7
500 – 590	495 – 595	545	4

(b)



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