9ME4

9	M	E	4	(	A	)

Please stick the barcode label in the box.

Education Bureau
Territory-wide System Assessment 2019
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
        ●     ○     ○     ○
```

1.   A   B   C   D

     ○   ○   ○   ○

2.   A   B   C   D

     ○   ○   ○   ○

3.   A   B   C   D

     ○   ○   ○   ○

4.   A   B   C   D

     ○   ○   ○   ○

5.   A   B   C   D

     ○   ○   ○   ○

6.   A   B   C   D

     ○   ○   ○   ○

7.   A   B   C   D

     ○   ○   ○   ○

8.   A   B   C   D

     ○   ○   ○   ○

9.   A   B   C   D

     ○   ○   ○   ○

10. A   B   C   D

     ○   ○   ○   ○

11. A   B   C   D
    ○   ○   ○   ○

12. A   B   C   D
    ○   ○   ○   ○

13. A   B   C   D
    ○   ○   ○   ○

14. A   B   C   D
    ○   ○   ○   ○

15. A   B   C   D
    ○   ○   ○   ○

16. A   B   C   D
    ○   ○   ○   ○

17. A   B   C   D
    ○   ○   ○   ○

18. A   B   C   D
    ○   ○   ○   ○

19. A   B   C   D
    ○   ○   ○   ○

20. A   B   C   D
    ○   ○   ○   ○

21. _____

22. The constant of the polynomial is _____ .

23. There are _____ positive integers less than $\sqrt{142}$.

24. _____

25. _____

26. $x =$ _____

27. _____

28. _____

29. $s =$ _____

30. _____

31. Figure A：_____

    Figure B：_____

32. *Circle the correct answer

(a) * $\triangle ABC \cong \triangle PQR$ ／ $\triangle ABC \sim \triangle PQR$

(b) * Ratio of 2 sides, included angle ／AAA ／ SAS ／ ASA

33. $x =$ _____

34. _____

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

36. $\theta =$ _____

37.

Table 1	
Number of exercise books	Frequency
4 – 6	
7 – 9	
10 – 12	5

Table 2	
Number of exercise books	Frequency
4 – 5	
6 – 7	5
8 – 9	
10 – 11	3
12 – 13	

38. (a) There are _____ students in 3A.

(b) The student getting the highest mark spends _____ hour(s) on video games per week on average.

(c) There are _____ students spending more than 10 hours on video games per week on average.
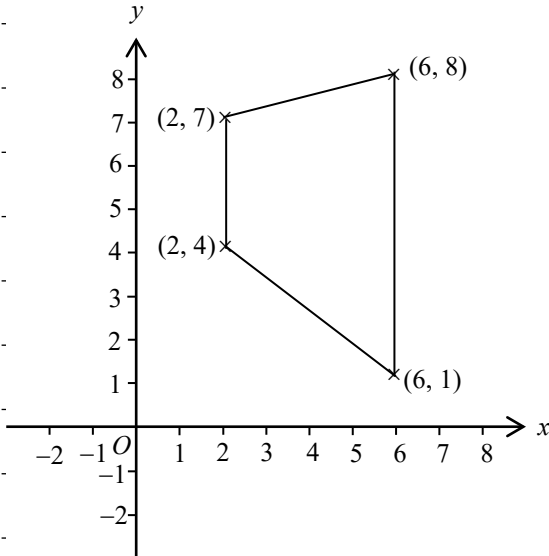

39. Mean   = _____

Median = _____

40.

41.

42.

43.

A ————————— B ————————— C

110°

D ——————— E 70° —— F

G

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44. $y = \dfrac{x-1}{2}$

x	-3	1	3
y	-2		

45.

∴ Miss Chan * can / cannot get the discount. (*Circle the correct answer)

46.

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47. (a)

		Drink		
		X	*Y*	*Z*
Set Lunch	*A*		*AY*	*AZ*
	B	*BX*	*BY*	
	C	*CX*		*CZ*

(b) The probability that Rosa chooses set *A* and drink *Y* = _____

END OF PAPER

Please do not write in the margin.

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