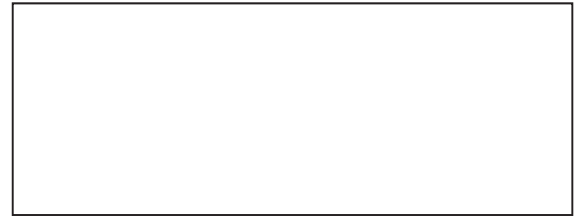




9	M	E	4	(A)
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↑
Please stick the barcode label in the box.

Education Bureau
Territory-wide System Assessment 2018
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			
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Class

3	
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Class No.

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↑
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
 ○ ○ ○ ○

Please do not write in the margin.

Please do not write in the margin.

Please stick the barcode label in the box. →



Please do not write in the margin.

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

Please do not write in the margin.

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

21. _____

22. The number of terms of the polynomial is _____ .

23. There are _____ positive integers less than $\sqrt{20}$.

24. $x =$ _____

$y =$ _____

25. _____

26. _____

27. _____

28. $x =$ _____

29. $r =$ _____

30. _____

31. _____

32. *Circle the correct answer

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

(b) * 3 sides proportional / SSS / SAS / RHS

Please do not write in the margin.

Please do not write in the margin.

Please do not write in the margin.

33. $x =$ _____

34. _____

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

36. $\theta =$ _____

37.

High jump results (Table 1)	
Height (cm)	Frequency
110 – 119	
120 – 129	5
130 – 139	

High jump results (Table 2)	
Height (cm)	Frequency
110 – 115	
116 – 121	2
122 – 127	
128 – 133	5
134 – 139	

38. (a) There are _____ workers in the company.

(b) The mode of the ages of the workers is _____ .

(c) The number of workers obtaining the extra travel allowance is _____ .

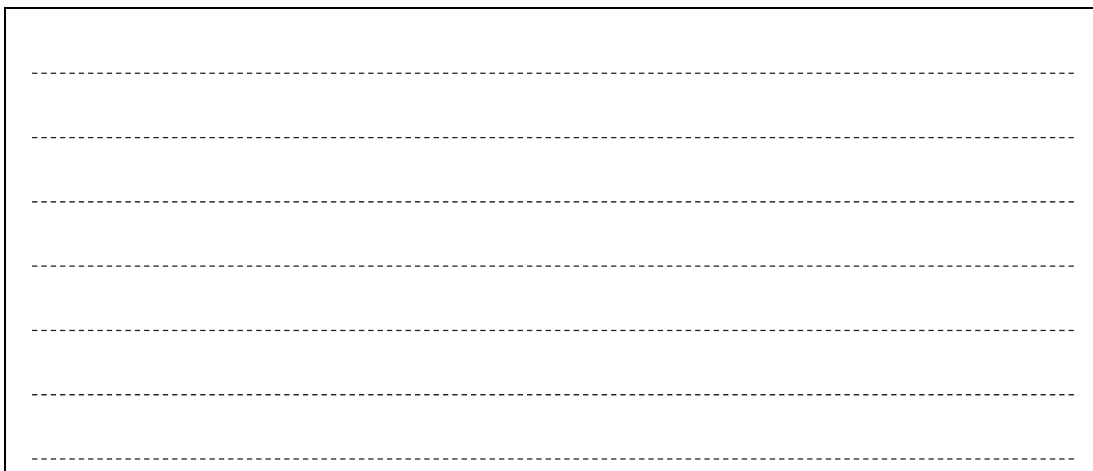
39. Mean = _____

Median = _____


Please do not write in the margin.

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

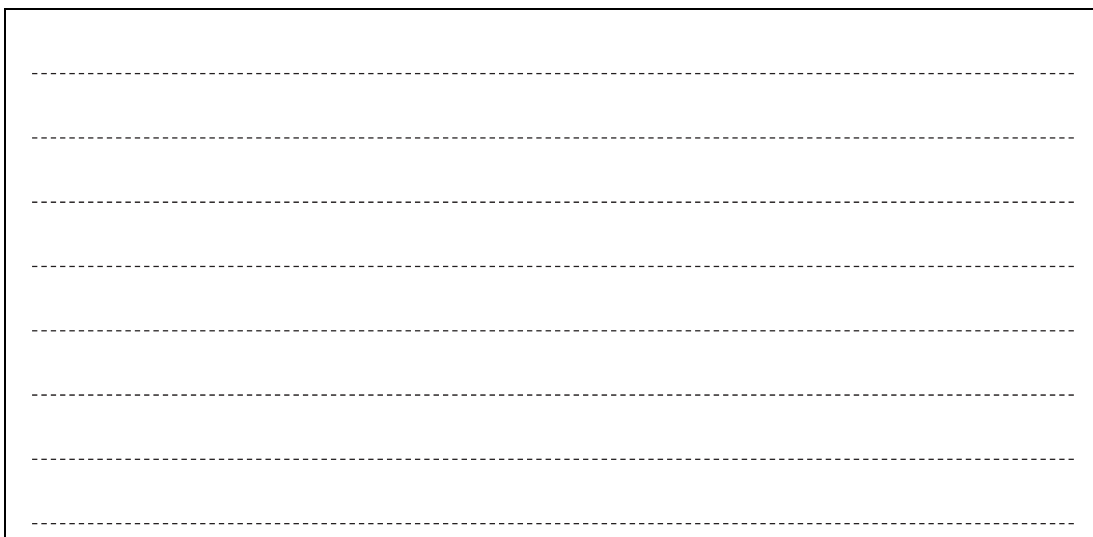
40.



41.



42.



Please do not write in the margin.

Please do not write in the margin.

Please do not write in the margin.

43.

The diagram shows a triangle GBE with interior angle $\angle G = 60^\circ$. A line segment BF is drawn from vertex B to a point F on the extension of side GE . Another line segment DB is drawn from a point D on the extension of side GB to vertex B . The exterior angle $\angle FBC$ is labeled as 58° , and the angle $\angle DBF$ is labeled as 62° .

44.

$x - y = 0$

x	-3	1	4
y		1	

A coordinate plane with x and y axes ranging from -5 to 5. The origin is labeled O . The grid lines are spaced at 1-unit intervals.

Please do not write in the margin.

45.

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∴ The Student Union * has / does not have enough money to buy the souvenirs.
(*Circle the correct answer)

46.

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47.

(a)

		Second Coin (\$)		
		2	5	10
First Coin (\$)	2		(2, 5)	(____ , ____)
	5	(____ , ____)		(5, 10)
	10	(10, 2)	(____ , ____)	

(b) The probability that the amount of the coins drawn by Michael is more than \$13
= _____

END OF PAPER