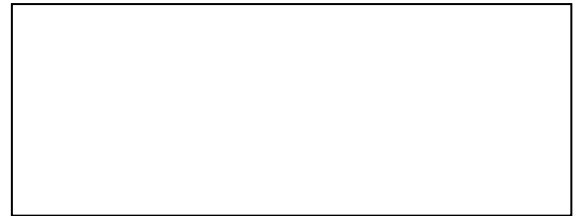




9	M	E	3	(A)
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↑
Please stick the barcode label in the box

Education Bureau
Territory-wide System Assessment 2010
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

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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 :

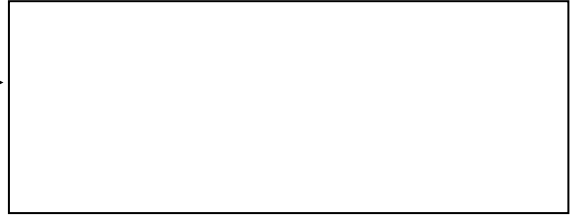
A B C D
● ○ ○ ○

- 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. $A =$ _____

$B =$ _____

$C =$ _____

22. The percentage increase of the price is _____% .

23. The ratio of the heights of Sharon and Tim is _____ .

24. Inequality: _____

25. The n^{th} term is _____ .

26. $(x + 2)(2x - 1) =$ _____

27. $4x^2 - 9 =$ _____

28. $m =$ _____

29. i. $\frac{3}{4}$ $\frac{3}{2}$

ii. $-\frac{3}{4}$ $-\frac{3}{2}$

30. The height of the cylinder is _____ cm.

31. Circle the correct answers: (i) volume / surface area / total sum of lengths

(ii) volume / surface area / total sum of lengths

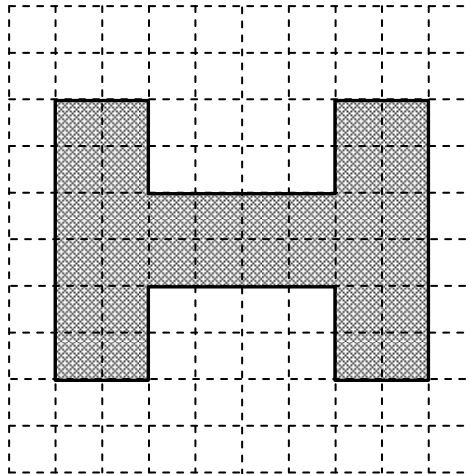
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32. _____

33.



34. $x =$ _____

35. $(x^2 - 3x + 1)(2x) =$ _____

36. The projection of line BE on the plane $ABCD$ is _____ .

37. The coordinates of point P are (_____ , _____).

38. $AB =$ _____ units

39. (_____) \rightarrow (_____) \rightarrow (_____) \rightarrow (_____)

40. (a) At _____, the air temperature of Shatin was the lowest.

(b) The difference between the lowest and the highest temperature was _____ $^{\circ}\text{C}$.

(c) At _____, Shatin had the biggest increase in temperature compared to the temperature one hour before.

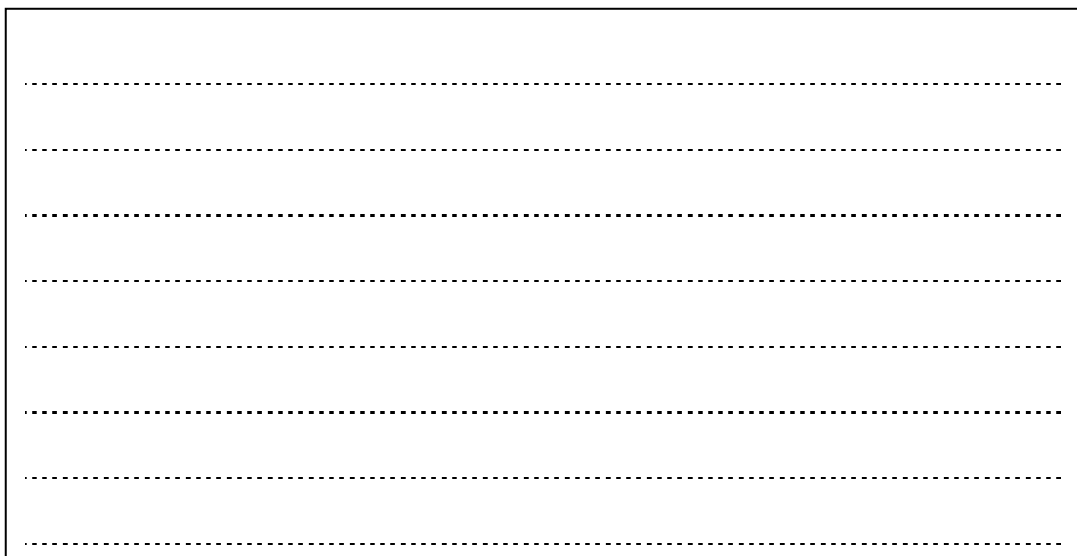
41. The mode is _____ .

42. The empirical probability that the student lives in **Sai Kung** is _____ .

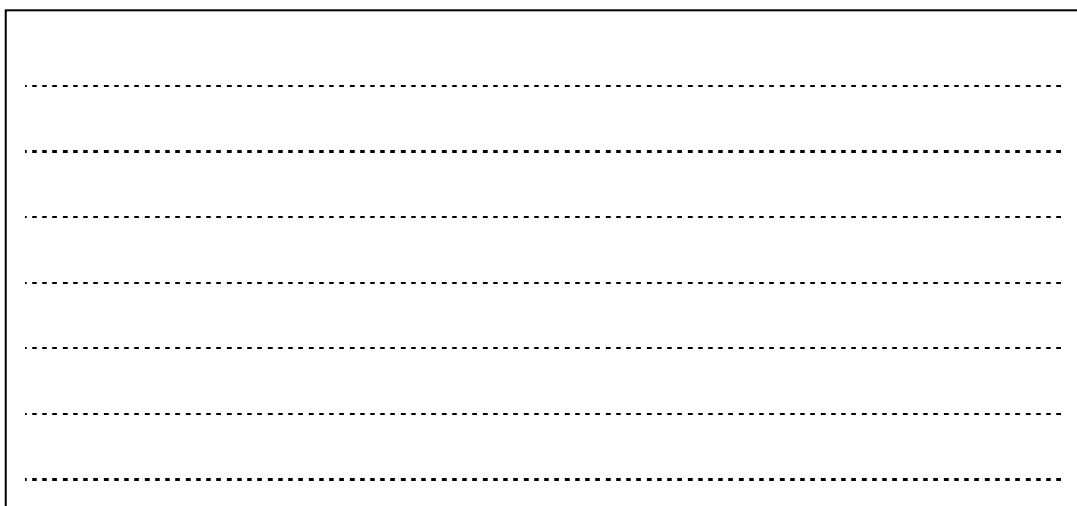
Please do not write in the margin.

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

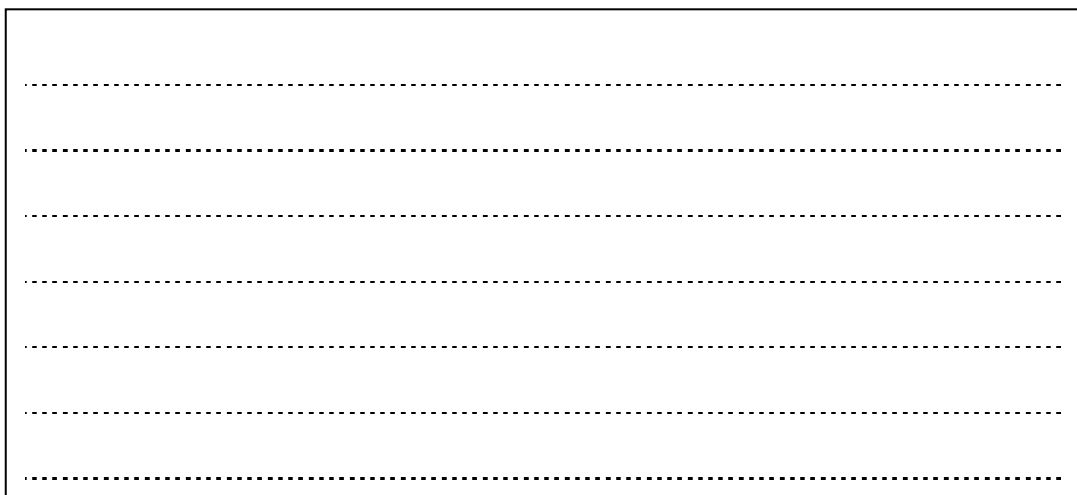
43.



44.



45.

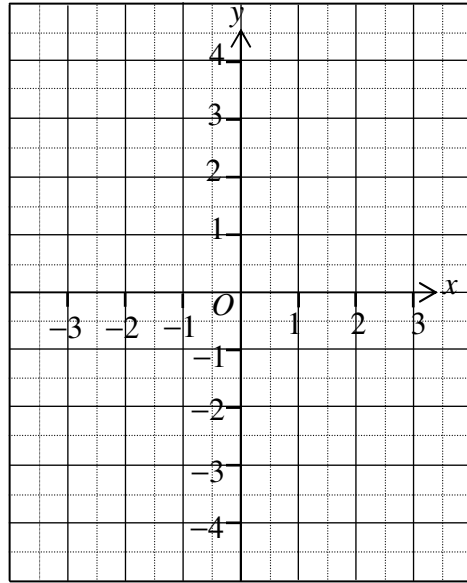


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46. $x + 2y - 2 = 0$

x	-2	0	2
y		1	



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47.

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48.

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49.

50.

51. (a) Andy uses _____ as the average in his claim.
(b) I * **agree** / **disagree** (*circle the correct answer) with Andy's claim.
Reason:

Please do not write in the margin.

END OF PAPER