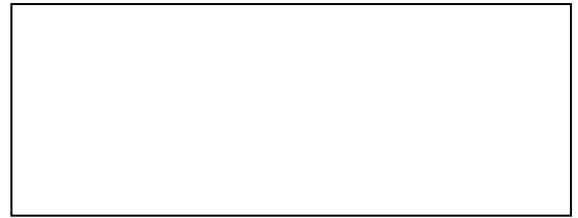




9	M	E	3	(A)
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↑
Please stick the barcode label in the box

Education Bureau
Territory-wide System Assessment 2009
Secondary 3
Mathematics
ANSWER BOOKLET

INSTRUCTIONS

1. Stick barcode labels in the spaces provided on page 1 and page 3.
 2. The time allowed is 65 minutes.
 3. Write ALL your answers in the spaces provided in this ANSWER BOOKLET.
 4. Do not write in the margins.
 5. The use of HKEAA approved calculators is permitted.
 6. Rough work should be done on the rough work sheet provided.
 7. Write your School Code, Class and Class Number in the boxes below.
-

**School
Code**

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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 :

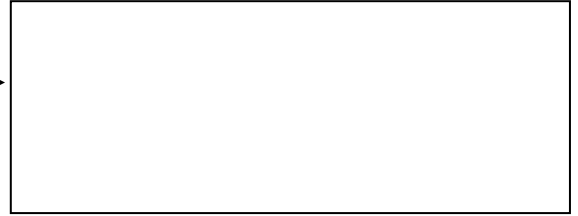
A B C D
● ○ ○ ○

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
 ○ ○ ○ ○

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. $A = \underline{\hspace{2cm}}$, $B = \underline{\hspace{2cm}}$, $C = \underline{\hspace{2cm}}$.

22. Circle the answer: (i) Exact value / Estimated value

(ii) Exact value / Estimated value

23. $159.972 = \underline{\hspace{2cm}}$ (correct to 3 significant figures)

24. $x = \underline{\hspace{2cm}}$; $y = \underline{\hspace{2cm}}$.

25. The number of participants was $\underline{\hspace{2cm}}$.

26. $(x^3 + 5x) - (x^2 - 3x) = \underline{\hspace{4cm}}$

27. $2x^2 + 8x^4 = \underline{\hspace{4cm}}$

28. $x = \underline{\hspace{2cm}}$

29. $(3x+1)^2 = \underline{\hspace{2cm}}$

30. i. $-100 \square - 200$

ii. $-0.1 \square - 0.01$

31. Regular polygon(s): $\underline{\hspace{4cm}}$

32. $\underline{\hspace{4cm}}$

33. (a) $x = \underline{\hspace{2cm}}$

(b) $y = \underline{\hspace{2cm}}$

Please do not write in the margin.

Please do not write in the margin.

Please do not write in the margin.

34. $\theta =$ _____

35. $x =$ _____

36. The projection of line AF on vertical plane $DCFE$ is _____.

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

38. (_____) \rightarrow (_____) \rightarrow (_____) \rightarrow (_____)

39. The mean number of raffle tickets bought per person was _____.

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

40.

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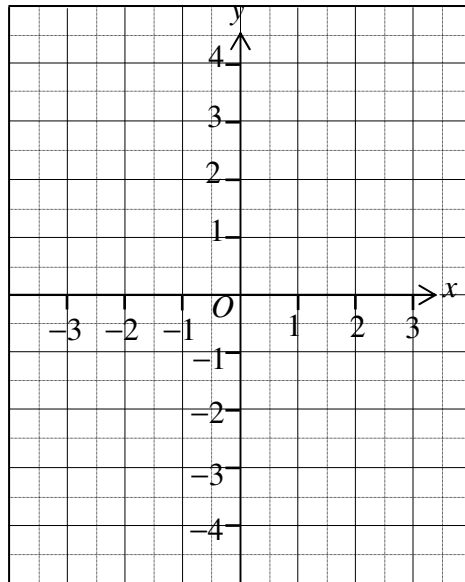
Please do not write in the margin.

41.

42.

43.

x	-3	0	3
y			2



Please do not write in the margin.

Please do not write in the margin.

44.

Blank writing area for question 44, featuring horizontal dashed lines.

45.

Blank writing area for question 45, featuring horizontal dashed lines.

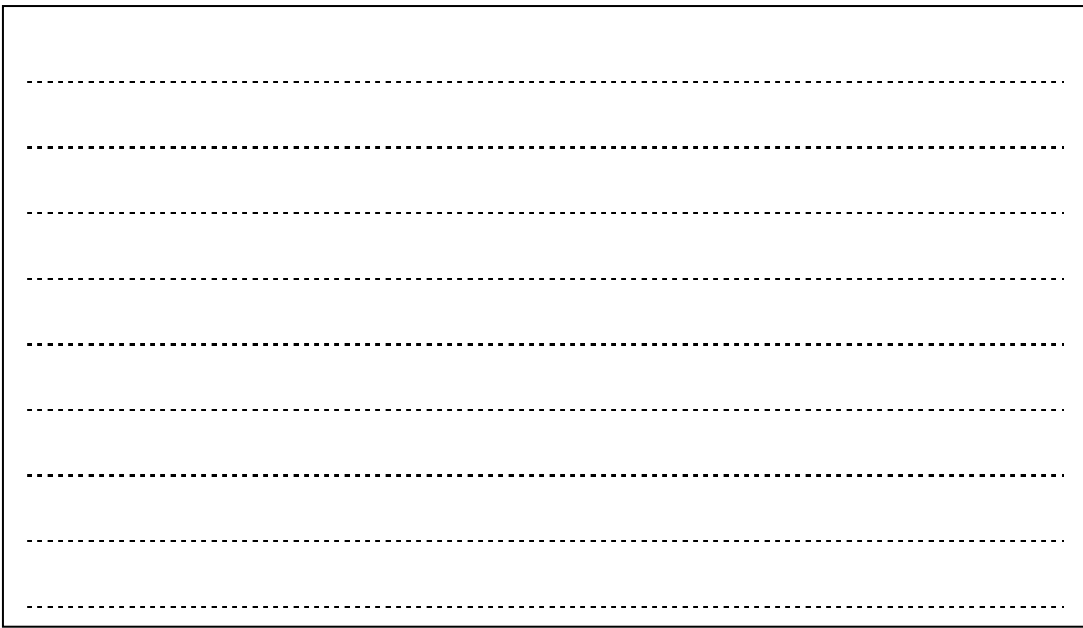
46.

Blank writing area for question 46, featuring horizontal dashed lines.

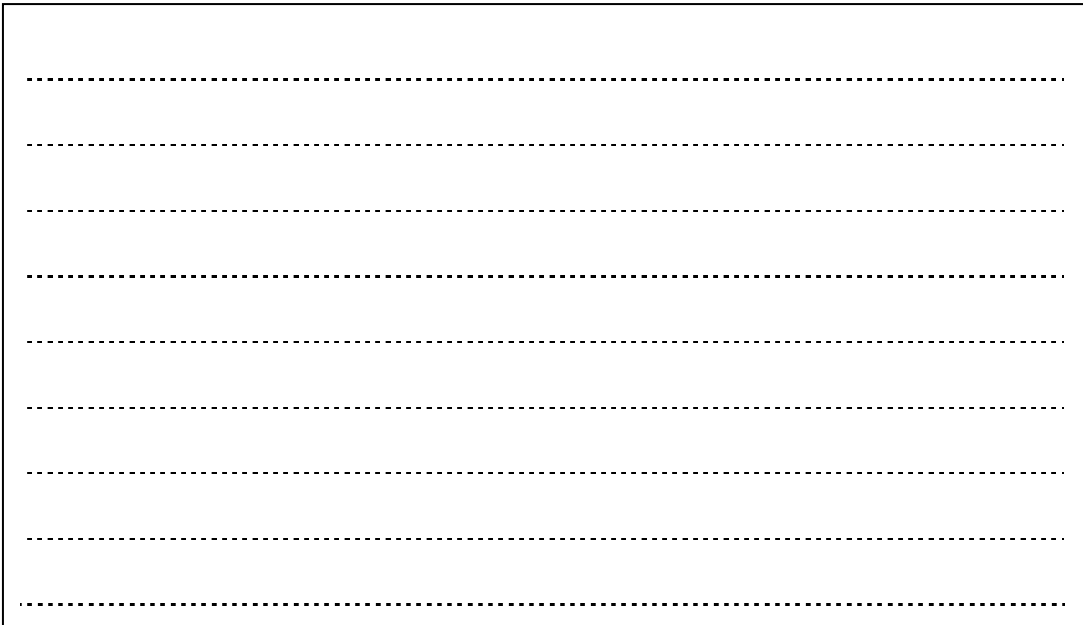
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Please do not write in the margin.

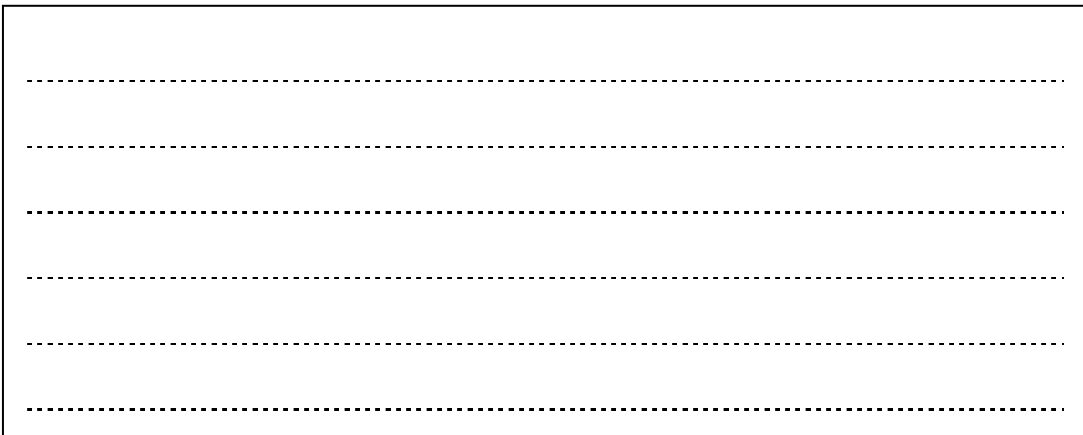
47.



48.



49.



Please do not write in the margin.

END OF PAPER