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Education Bureau
Territory-wide System Assessment 2008
Secondary 3
Mathematics
ANSWER BOOKLET

INSTRUCTIONS

1. Stick barcode labels in the spaces provided on Pages 1 and 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	
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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 :

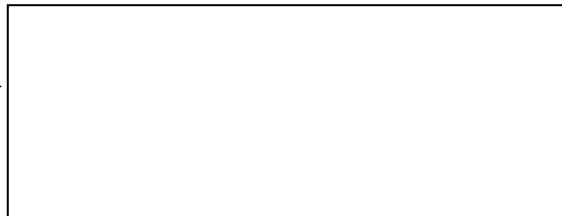
A B C D
● ○ ○ ○

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
 ○ ○ ○ ○

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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. (i) _____ dollars

(ii) _____ dollars

22. $A =$ _____ $B =$ _____ $C =$ _____

23. $0.000\ 000\ 023\ 5 =$ _____

24. *Circle the correct answer.

(i) * Rate / Ratio

(ii) * Rate / Ratio

25. $V =$ _____

26. Sam should use _____ sticks in the 5th figure.

27. The n^{th} figure is formed by _____ squares.

28. _____

29. $-x(7x + 2) =$ _____

30. _____

31. $x^2 - x - 6 =$ _____

32. $3x^2 + 5x + 2 =$ _____

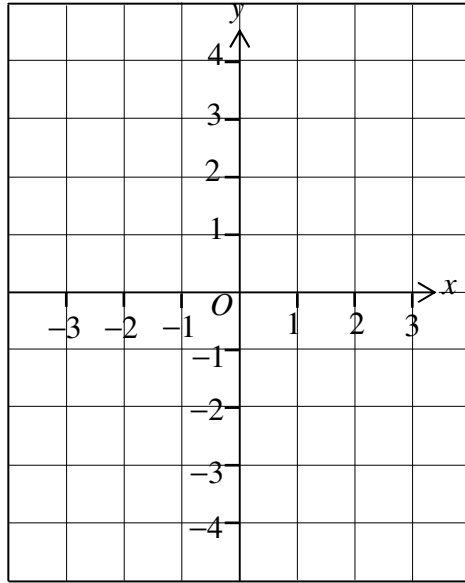
33. Equation: _____

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Please do not write in the margin.

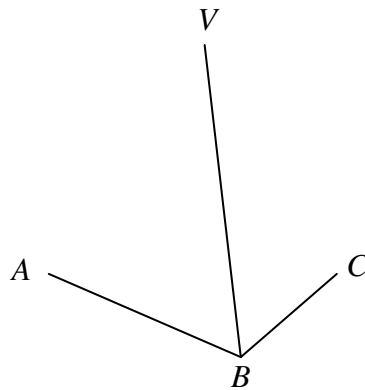
34.



35. $\frac{5x}{2y} + \frac{5x}{3y} =$ _____

36. The volume of the cone is _____ cm^3 (correct to 1 decimal place).

37.



38. *Circle the correct answer.

$\triangle ABC$ and $\triangle ADE$ are * congruent / similar triangles .

The reason is * SAS / ASA / AAA / 3 sides proportional .

39. $x =$ _____

40. $x =$ _____

41. _____

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Please do not write in the margin.

42. $x =$ _____

43. The polar coordinates of A are (_____ , _____).

44. The area of $\triangle ABC$ is _____ square units.

45. _____ \rightarrow _____ \rightarrow _____ \rightarrow _____

46. The median mark is _____.

47. The weighted mean mark is _____.

48. The probability is _____.

SECTION C: All working must be clearly shown. Write your mathematical expressions, answers and statements/conclusions in the spaces provided.

49.

50.

Please do not write in the margin.

Please do not write in the margin.

51.

Blank writing area for question 51, featuring a solid top line and five dashed lines below.

52.

Blank writing area for question 52, featuring a solid top line and five dashed lines below.

53.

Blank writing area for question 53, featuring a solid top line and five dashed lines below.

54.

Blank writing area for question 54, featuring a solid top line and five dashed lines below.

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Please do not write in the margin.

55.

56.

Table 1

Time taken (minutes)	Frequency
1 – 10	
11 – 20	
21 – 30	
31 – 40	
41 – 50	
51 – 60	

Table 2

Time taken (minutes)	Frequency
1 – 15	
16 – 30	
31 – 45	
46 – 60	

Please do not write in the margin.

END OF PAPER