



<b>9</b>	<b>M</b>	<b>E</b>	<b>2</b>
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Please stick the barcode label in the box

**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**

<b>3</b>	
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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 :

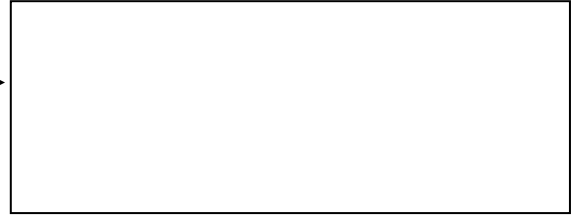
A      B      C      D  
●      ○      ○      ○

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.

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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

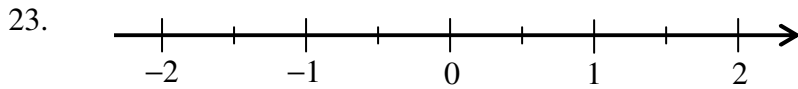
Please do not write in the margin.

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

21. (i) \_\_\_\_\_ dollars

(ii) \_\_\_\_\_ dollars

22.  $A =$  \_\_\_\_\_  $B =$  \_\_\_\_\_  $C =$  \_\_\_\_\_



24. The cost of the camera was \$ \_\_\_\_\_.

25. The ratio is \_\_\_\_\_ : \_\_\_\_\_.

26.  $r =$  \_\_\_\_\_

27. The number of beads in the 8<sup>th</sup> figure is \_\_\_\_\_.

28. \_\_\_\_\_

29.  $(x^3 + 4x - 3)(2x) =$  \_\_\_\_\_

30.  $3cd^2 - 9c^2d =$  \_\_\_\_\_

31.  $3x^2 + 5x + 2 =$  \_\_\_\_\_

32. Equation: \_\_\_\_\_

33. \_\_\_\_\_

34.  $(2x - 5y)(2x + 5y) =$  \_\_\_\_\_

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Please do not write in the margin.

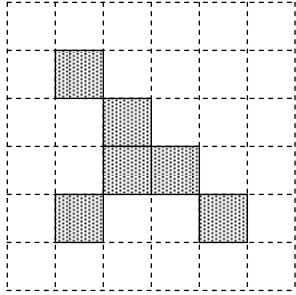
35.

(i)  $\frac{1}{2}$    $\frac{1}{10}$

(ii)  $-\frac{1}{2}$    $-\frac{1}{10}$

36. \_\_\_\_\_

37.



38.

$x =$  \_\_\_\_\_

39.

$x =$  \_\_\_\_\_

40.

$x =$  \_\_\_\_\_

41.

$x =$  \_\_\_\_\_

42.

The polar coordinates of  $A$  are ( \_\_\_\_\_ , \_\_\_\_\_ ).

43.

The distance between  $A$  and  $B$  is \_\_\_\_\_ units.

44.

$\theta =$  \_\_\_\_\_  $^\circ$  (correct to the nearest  $0.1^\circ$ )

45.

(a) \_\_\_\_\_ students answered this survey.

(b) \_\_\_\_\_ students have \$24 daily pocket money.

(c) The largest amount of daily pocket money is \$\_\_\_\_\_.

46.

The mean weight is \_\_\_\_\_ kg.

Please do not write in the margin.

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

47.

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48.

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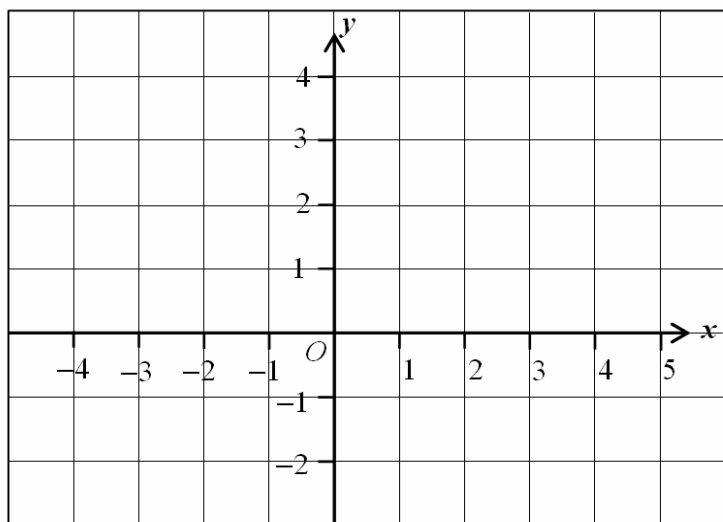
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49.

$x$	-4	0	4
$y$			4



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Please do not write in the margin.

Please do not write in the margin.

50.

Handwriting practice area for question 50, featuring a solid top line, a dashed midline, and a solid bottom line.

51.

Handwriting practice area for question 51, featuring a solid top line, a dashed midline, and a solid bottom line.

52.

Handwriting practice area for question 52, featuring a solid top line, a dashed midline, and a solid bottom line.

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Please do not write in the margin.

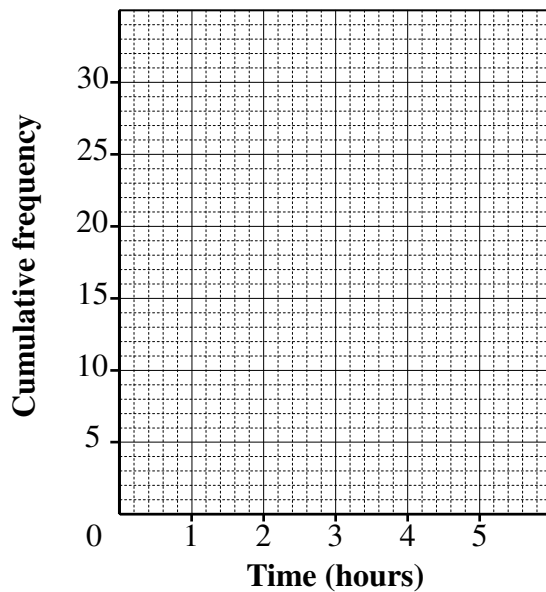
53. (a) (Write down the answer only)  $AC =$  \_\_\_\_\_

(b) (Show your working)


Please do not write in the margin.

54.

**Time taken by 30 students to do their projects**



**END OF PAPER**