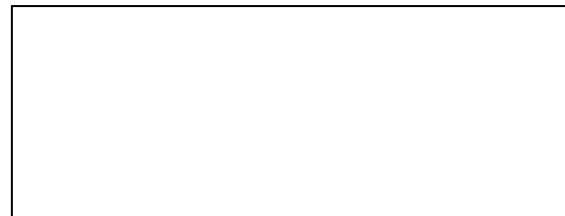




9	M	E	3	(	A	)
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↑
Please stick the barcode label in the box.

Education Bureau
Territory-wide System Assessment 2012
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	
---	--

**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

☒

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☐

☐

1.

A

B

C

D

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2.

A

B

C

D

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3.

A

B

C

D

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4.

A

B

C

D

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5.

A

B

C

D

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6.

A

B

C

D

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7.

A

B

C

D

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8.

A

B

C

D

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9.

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B

C

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10.

A

B

C

D

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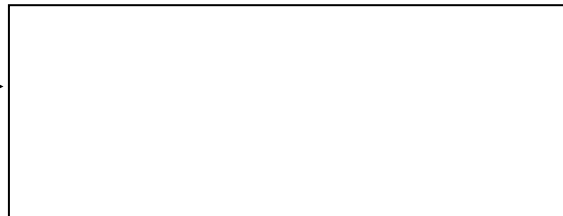
☐

☐

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
○ ○ ○ ○

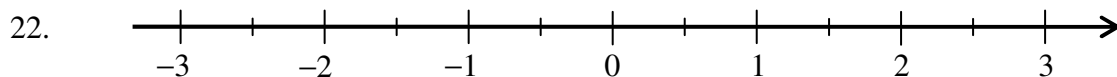
Please do not write in the margin.

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

21. $A =$ _____

$B =$ _____

$C =$ _____



23. Age of Calvin after 3 years : Age of Tim after 3 years = _____ : _____

24. It takes Stanley _____ hours to make 12 paper planes.

25. $x =$ _____

26. The variable of the polynomial is _____ .

27. $(x + 2)(2x + 3) =$ _____

28. $x^2 - 25 =$ _____

29. $y =$ _____

30. $\frac{3y}{x} + \frac{y}{3x} =$ _____

31. _____

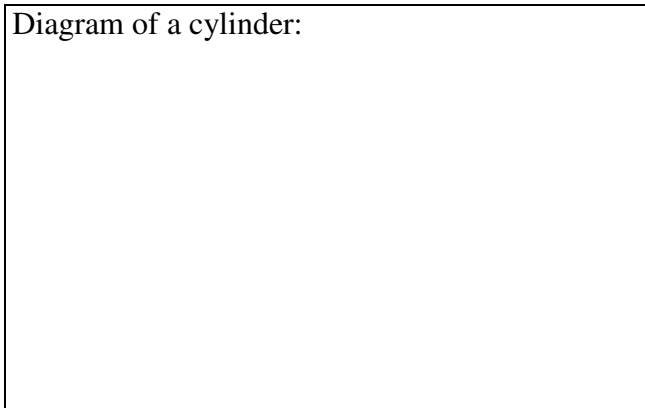
32. The circumference of the circle is _____ cm.

33. _____

Please do not write in the margin.

Please do not write in the margin.

34. Diagram of a cylinder:



35. (a) $x =$ _____

(b) $y =$ _____

36. $x =$ _____

37. $x =$ _____

38. $x =$ _____

39. The polar coordinates of point C are (_____ , _____).

40. () $\rightarrow$ () $\rightarrow$ () $\rightarrow$ ()

41. The weighted mean mark of Jackson is _____ .

42. * Circle the correct answer

(a) * reasonable / not reasonable

(b) * (i) / (ii)

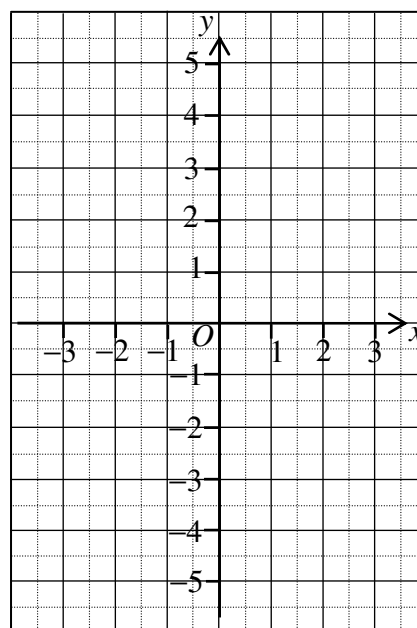
SECTION C: Answer in the spaces provided.
All working and conclusions must be clearly shown.

43.

44.

45. $2x + y - 1 = 0$

x	-2		2
y		1	-3



Please do not write in the margin.

Please do not write in the margin.

Please do not write in the margin.

46.

Handwriting practice area for question 46, featuring ten horizontal dashed lines for writing.

47.

Handwriting practice area for question 47, featuring ten horizontal dashed lines for writing.

48.

Handwriting practice area for question 48, featuring ten horizontal dashed lines for writing.

Please do not write in the margin.

49.

50.

Table 1	
Years of service	Frequency
1-10	
11-20	7
21-30	

Table 2	
Years of service	Frequency
1-5	
6-10	7
11-15	
16-20	
21-25	
26-30	

51. (a) There are _____ students in 3C.
- (b) The slowest student takes _____ s to swim 50 m.
- (c) The number of students who take less than 31 s to swim 50 m is _____ .

END OF PAPER