

Chapter 9 Test, Form 2A

Write the letter for the correct answer in the blank at the right of each question.

- Rewrite $8(10 + 7)$ using the Distributive Property.

A. $(8 \times 10)(8 \times 7)$	B. $(8 + 10)(8 + 7)$			
C. $8(10) + 8(7)$	D. $8 \times 10 + 7$			1. _____
- To find 30×4.3 mentally using the Distributive Property, you would first think:

F. $30 \times 4.3 = 30(4 + 0.3)$.	G. $30 \times 4.3 = 30 \times 4 + 0.3$.			
H. $30 \times 4.3 = 30 + (4 + 0.3)$.	I. $30 \times 4.3 = 30 \times 4 \times 0.3$.			2. _____
- To find $75 + 63 + 25$ mentally, you would first think:

A. $75(63 + 25)$.	B. $(75 + 25) + 63$.			
C. $(63 + 25) + 75$.	D. $(75 + 25)63$.			3. _____
- Solve $y + 3 = 7$.

F. 10	G. -10	H. 4	I. -4	4. _____
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- Solve $1 + x = 3$.

A. 2	B. -2	C. 4	D. -4	5. _____
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- Solve $-5 = w + 1$.

F. 6	G. -6	H. 4	I. -4	6. _____
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- Solve $r - 3 = 3$.

A. 0	B. 6	C. -6	D. -3	7. _____
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- Solve $-5 = g - 1$.

F. -4	G. 4	H. -6	I. 6	8. _____
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- Solve $p - 4 = -6$.

A. 10	B. -10	C. 2	D. -2	9. _____
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- Solve $8m = -40$.

F. 5	G. -5	H. 320	I. -320	10. _____
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- Solve $-15 = -3n$.

A. 45	B. -45	C. 5	D. -5	11. _____
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- AGE** Al's father is 3 times as old as Al. Al's father is 36 years old. Which equation could you solve to find Al's age?

F. $3 + x = 36$	G. $36x = 3$	H. $3x = 36$	I. $36 - x = 3$	12. _____
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- Solve $-2 = -11 + 3c$.

A. 9	B. -9	C. 3	D. -3	13. _____
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- Solve $-5 = 3b + 1$.

F. $1\frac{1}{3}$	G. -2	H. 2	I. $-1\frac{1}{3}$	14. _____
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Chapter 9 Test, Form 2A (continued)

15. Solve $4 - 5t = 39$.

- A. 44 B. -7 C. 35 D. $-8\frac{3}{5}$ 15. _____

16. Solve $2g - 18 = -8$.

- F. 5 G. -5 H. 9 I. 1 16. _____

17. Find the rule for the function table.

- A. $3n$ B. $\frac{1}{3}n$
C. $n - 10$ D. $n - 4$

Input (n)	Output (■)
15	5
6	2
-9	-3

17. _____

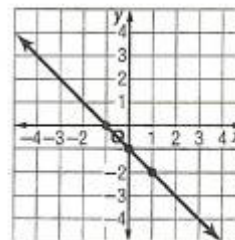
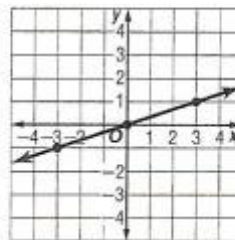
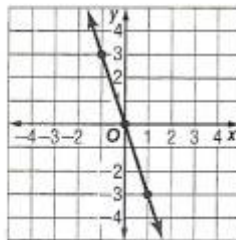
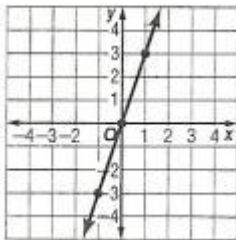
18. Given the rule $3x - 2$, what is the output for an input of -3 ?

- F. 7 G. -11 H. 11 I. -2 18. _____

19. Which graph represents the function table at the right?

Input (x)	Output ($\frac{x}{3}$)
-3	-1
0	0

- A. B. C. D. 19. _____



20. Which function table represents the graph at the right?

- F. G.

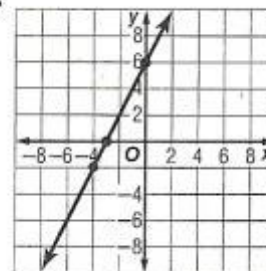
Input	Output
-4	-2
-3	0
0	6

Input	Output
-2	-4
0	-3
6	0

- H. I.

Input	Output
4	2
3	0
0	6

Input	Output
2	4
0	3
6	0



20. _____

Bonus Find the rule for the function table.

Input (x)	Output (■)
1	$\frac{1}{4}$
3	$\frac{3}{4}$
4	1

B: _____