QUEBEC MATHEMATICS, TECHNICAL AND SCIENTIFIC OPTION, SECONDARY IV · UNIT B · 25 QUESTIONS

Algebra — Practice Test

This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

1 **Simplify 4x+4x**

- A 8x
- B 16x
- C 0x
- D x^8

Understand It with Pulse | Flag a mistake

2 **Solve for x in 6x+3=33**

ANSWER _____

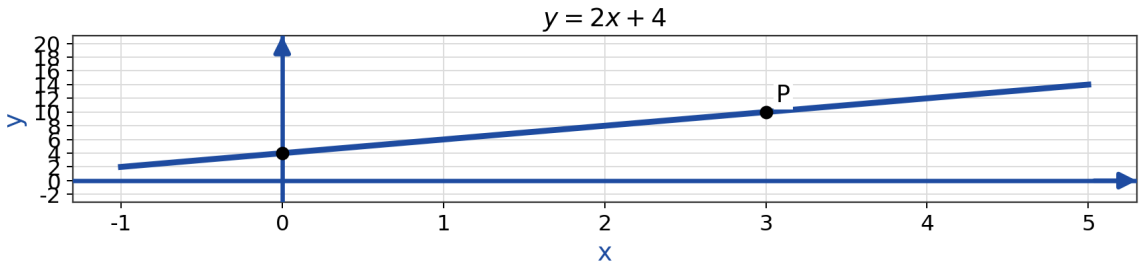
Understand It with Pulse | Flag a mistake

3 **Solve the system x+y=18 and x-y=6. The value of x is**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **The graph shows the line y=2x+4. The value of y when x=3 is**



ANSWER _____

Understand It with Pulse | Flag a mistake

5 **The larger root of x^2-11x+28=0 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

6 **The slope of the line through (2,3) and (5,12) is**

ANSWER _____

Understand It with Pulse | Flag a mistake

7 **Evaluate 4x+2 when x=5**

ANSWER _____

Understand It with Pulse | Flag a mistake

8 **Expand (x+2)(x+6)**

A $x^2+8x+12$

B $x^2+-4x+12$

C x^2+8x+8

D $x^2+12x+8$

Understand It with Pulse | Flag a mistake

9 **Solve for x in 4x+3=6x+-3**

ANSWER _____

Understand It with Pulse | Flag a mistake

10 **The y intercept of y=3x+8 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

11 **Simplify 3x+4x**

- A 12x
- B 7x
- C 1x
- D x^7

Understand It with Pulse | Flag a mistake

12 **Solve for x in 7x+2=30**

ANSWER _____

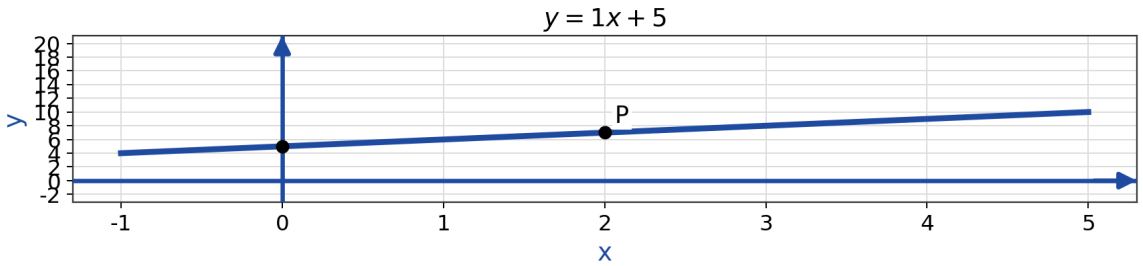
Understand It with Pulse | Flag a mistake

13 **Solve the system x+y=12 and x-y=4. The value of x is**

ANSWER _____

Understand It with Pulse | Flag a mistake

14 **The graph shows the line y=1x+5. The value of y when x=2 is**



ANSWER _____

Understand It with Pulse | Flag a mistake

15 **The larger root of x^2-9x+14=0 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

16 **The slope of the line through (0,0) and (4,10) is**

ANSWER _____

Understand It with Pulse | Flag a mistake

17 **Evaluate 5x+3 when x=3**

ANSWER _____

Understand It with Pulse | Flag a mistake

18 **Expand (x+5)(x+3)**

A $x^2+8x+15$

B $x^2+2x+15$

C x^2+8x+8

D $x^2+15x+8$

Understand It with Pulse | Flag a mistake

19 **Solve for x in 3x+6=4x+3**

ANSWER _____

Understand It with Pulse | Flag a mistake

20 **Simplify 5x+6x**

- A 11x
- B 30x
- C 1x
- D $x^{1}1$

Understand It with Pulse | Flag a mistake

21 **Solve for x in 5x+6=31**

ANSWER _____

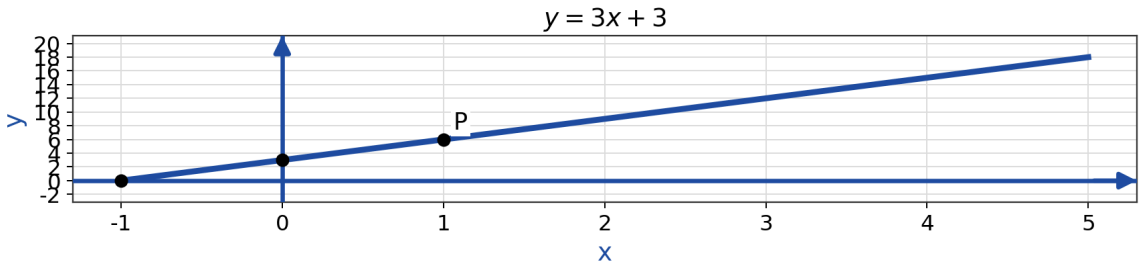
Understand It with Pulse | Flag a mistake

22 **Solve the system x+y=14 and x-y=8. The value of x is**

ANSWER _____

Understand It with Pulse | Flag a mistake

23 **The graph shows the line y=3x+3. The value of y when x=1 is**



ANSWER

Understand It with Pulse | Flag a mistake

24 **The larger root of $x^2-12x+32=0$ is**

ANSWER

Understand It with Pulse | Flag a mistake

25 **The slope of the line through (1,2) and (3,10) is**

ANSWER

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. A
2. 5
3. 12
4. 10
5. 7
6. 3
7. 22
8. A
9. 3
10. 8
11. B
12. 4
13. 8
14. 7
15. 7
16. 2.5
17. 18
18. A
19. 3
20. A
21. 5
22. 11
23. 6
24. 8
25. 4

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