QUEBEC MATHEMATICS, SCIENCE OPTION, SECONDARY V · 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 **Evaluate 8x+9 when x=2**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **Solve for x in 9(x+8)=162**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **The larger root of x^2-22x+120=0 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **Evaluate 2^7 + 8 when the exponent is 7**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **Expand (x+7)(x+8)**

A $x^2+15x+56$

B $x^2+-1x+56$

C $x^2+15x+15$

D $x^2+56x+15$

Understand It with Pulse | Flag a mistake

6 **Solve for x in 9x+6=7x+12**

ANSWER _____

Understand It with Pulse | Flag a mistake

7 **Solve the system x+y=26 and x-y=14. The value of x is**

ANSWER _____

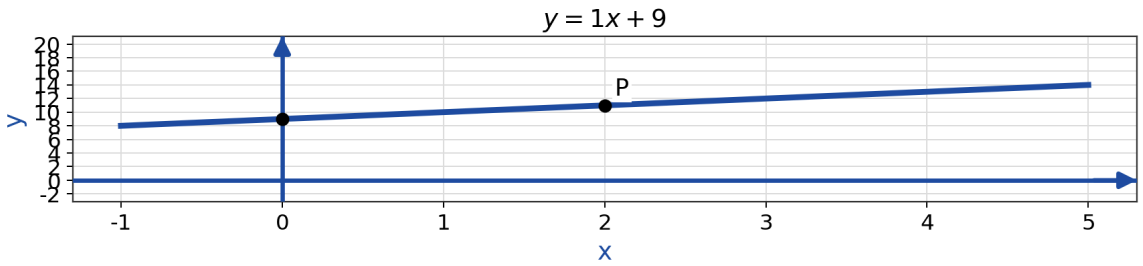
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8 **The axis of symmetry of $y=x^2-9x+6$ is x equals**

ANSWER

Understand It with Pulse | Flag a mistake

9 **The graph shows the line y=1x+9. The value of y when x=2 is**



ANSWER

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10 **A line with a negative slope is**

A decreasing

B increasing

C constant

D undefined

Understand It with Pulse | Flag a mistake

11 **If f(x)=7x+6 and g(x)=x+2 then f(g(3)) is**

ANSWER

Understand It with Pulse | Flag a mistake

12 **Simplify 9x+10x**

A 19x

B 90x

C 1x

D $x^{1}9$

Understand It with Pulse | Flag a mistake

13 **The slope of the line through (1,2) and (3,18) is**

ANSWER

Understand It with Pulse | Flag a mistake

14 **Evaluate 9x+7 when x=3**

ANSWER

Understand It with Pulse | Flag a mistake

15 **Solve for x in 8x+9=49**

ANSWER

Understand It with Pulse | Flag a mistake

16 **The larger root of x^2-23x+130=0 is**

ANSWER

Understand It with Pulse | Flag a mistake

17 **Evaluate 2^8 + 7 when the exponent is 8**

ANSWER

Understand It with Pulse | Flag a mistake

18 **Expand (x+8)(x+9)**

- A $x^2+17x+72$
- B $x^2+-1x+72$
- C $x^2+17x+17$
- D $x^2+72x+17$

Understand It with Pulse | Flag a mistake

19 **Solve for x in 7x+8=9x+2**

ANSWER _____

Understand It with Pulse | Flag a mistake

20 **Solve the system x+y=28 and x-y=12. The value of x is**

ANSWER _____

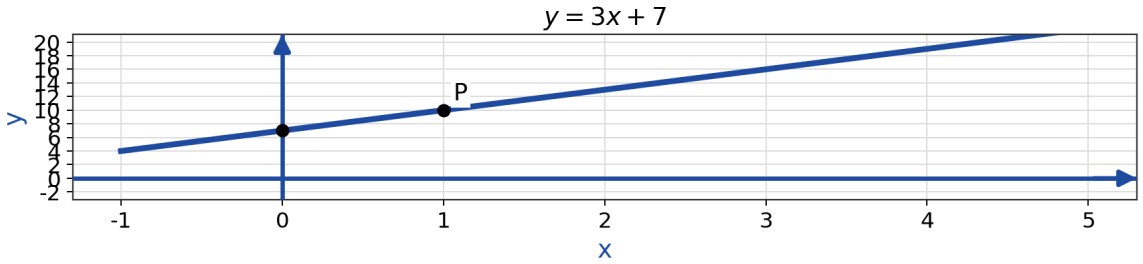
Understand It with Pulse | Flag a mistake

21 **The axis of symmetry of $y=x^2-10x+9$ is x equals**

ANSWER

Understand It with Pulse | Flag a mistake

22 **The graph shows the line y=3x+7. The value of y when x=1 is**



ANSWER

Understand It with Pulse | Flag a mistake

23 **Evaluate 10x+6 when x=6**

ANSWER

Understand It with Pulse | Flag a mistake

24 **Solve for x in 10(x+9)=200**

ANSWER

Understand It with Pulse | Flag a mistake

25 **The larger root of $x^2-19x+88=0$ is**

ANSWER

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. 25
2. 10
3. 12
4. 136
5. A
6. 3
7. 20
8. 4.5
9. 11
10. A
11. 41
12. A
13. 8
14. 34
15. 5
16. 13
17. 263
18. A
19. 3
20. 20
21. 5
22. 10
23. 66
24. 11
25. 11

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