QUEBEC MATHEMATICS, CULTURAL, SOCIAL AND TECHNICAL 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 7x+5 when x=3**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **Solve for x in 7(x+6)=119**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **Solve for x in 5x+8=6x+5**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **Solve the system x+y=16 and x-y=8. The value of x is**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **The y intercept of y=5x+10 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

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

A $x^2+12x+35$

B $x^2+2x+35$

C $x^2+12x+12$

D $x^2+35x+12$

Understand It with Pulse | Flag a mistake

7 **If f(x)=6x+5 and g(x)=x+2 then f(g(3)) is**

ANSWER _____

Understand It with Pulse | Flag a mistake

8 **The axis of symmetry of $y=x^2-8x+7$ is x equals**

ANSWER _____

Understand It with Pulse | Flag a mistake

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

ANSWER _____

Understand It with Pulse | Flag a mistake

10 **Simplify 7x+8x**

A 15x

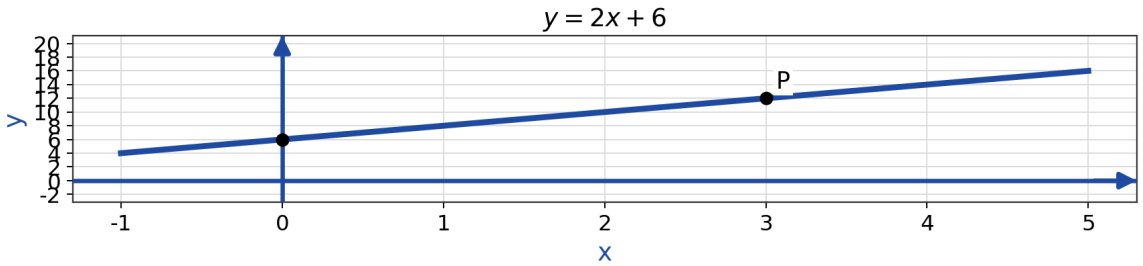
B 56x

C 1x

D x^15

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11 **The graph shows the line y=2x+6. The value of y when x=3 is**



ANSWER _____

Understand It with Pulse | Flag a mistake

12 **Evaluate 6x+7 when x=2**

ANSWER _____

Understand It with Pulse | Flag a mistake

13 **Solve for x in 6(x+11)=108**

ANSWER _____

Understand It with Pulse | Flag a mistake

14 **Solve for x in 5x+6=7x+0**

ANSWER _____

Understand It with Pulse | Flag a mistake

15 **Solve the system x+y=20 and x-y=10. The value of x is**

ANSWER _____

Understand It with Pulse | Flag a mistake

16 **The y intercept of y=8x+6 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

17 **Expand (x+4)(x+7)**

A $x^2+11x+28$

B $x^2+-3x+28$

C $x^2+11x+11$

D $x^2+28x+11$

Understand It with Pulse | Flag a mistake

18 **If f(x)=4x+7 and g(x)=x+2 then f(g(3)) is**

ANSWER

Understand It with Pulse | Flag a mistake

19 **The axis of symmetry of $y=x^2-7x+4$ is x equals**

ANSWER

Understand It with Pulse | Flag a mistake

20 **The larger root of $x^2-14x+48=0$ is**

ANSWER

Understand It with Pulse | Flag a mistake

21 **Evaluate 5x+6 when x=4**

ANSWER

Understand It with Pulse | Flag a mistake

22 **Solve for x in 7x+6=55**

ANSWER _____

Understand It with Pulse | Flag a mistake

23 **Solve for x in 7x+4=5x+10**

ANSWER _____

Understand It with Pulse | Flag a mistake

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

ANSWER _____

Understand It with Pulse | Flag a mistake

25 **The y intercept of y=5x+4 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	26	**10.**	A	**19.**	3.5
2.	11	**11.**	12	**20.**	8
3.	3	**12.**	19	**21.**	26
4.	12	**13.**	7	**22.**	7
5.	10	**14.**	3	**23.**	3
6.	A	**15.**	15	**24.**	20
7.	35	**16.**	6	**25.**	4
8.	4	**17.**	A		
9.	12	**18.**	27		

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