

MyOpenMath

1. Solve the equation: $2x + 5 = 15$.
2. Find the derivative of $f(x) = 3x^2 + 2x - 1$.
3. Evaluate the integral of $\int(2x + 3) dx$.
4. Simplify the expression: $(3x^2 + 2x - 1) + (4x^2 - 3x + 2)$.
5. Solve the system of equations: $2x + y = 5$, $3x - 2y = 4$.
6. Find the domain of the function $f(x) = \sqrt{4 - x^2}$.
7. Determine the vertex of the parabola defined by the equation $y = x^2 + 4x + 3$.
8. Calculate the limit of $f(x)$ as x approaches 3: $\lim_{x \rightarrow 3} (2x + 5)$.
9. Find the equation of the line passing through the points $(2, 3)$ and $(4, 7)$.
10. Determine the value of $\sin(\pi/4)$.
11. Solve the inequality: $2x + 3 > 7$.
12. Find the solution to the quadratic equation: $x^2 - 4x + 3 = 0$.
13. Calculate the area of a triangle with base 5 and height 8.
14. Determine the value of log base 2 of 8.
15. Solve the exponential equation: $2^x = 16$.
16. Find the inverse of the function $f(x) = 2x + 3$.
17. Calculate the volume of a cylinder with radius 4 and height 6.

18. Determine the value of $\cos(\pi/3)$.

19. Solve the trigonometric equation: $\sin(x) = \frac{1}{2}$.

20. Find the slope of the line passing through the points $(-2, 5)$ and $(3, -1)$.

21. Calculate the standard deviation of the data set: 2, 4, 6, 8, 10.

22. Determine the value of $\tan(\pi/6)$.

23. Solve the logarithmic equation: $\log(x) = 2$.

24. Find the solution to the system of equations: $3x + 2y$

