# MATHXL ANSWERS

1. Solve the equation: 2x + 5 = 13.

2. Find the slope of the line passing through the points (2, 5) and (-3, 8).

3. Simplify the expression: 3x + 2(4x - 5).

4. Determine the domain of the function f(x) = √(x - 3).

5. Calculate the area of a triangle with base 6 cm and height 8 cm.

6. Solve the inequality: 2x - 3 < 7.

7. Find the x-intercept(s) of the graph of the equation y = 2x - 3.

8. Determine the vertex of the parabola given by the equation y = x^2 - 4x + 3.

9. Simplify the expression: (2x^2 + 3x) - (4x^2 - 2x + 5).

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10. Find the value of x in the equation 3(2x - 1) = 15.

11. Calculate the volume of a cylinder with radius 4 cm and height 10 cm.

12. Solve the system of equations: 2x + 3y = 7 and 5x - 2y = 4.

13. Determine the range of the function f(x) = x^2 - 3x + 2.

14. Simplify the expression: √(16x^2) + 3√(25x^3).

15. Find the solutions to the quadratic equation: x^2 - 7x + 10 = 0.

16. Calculate the perimeter of a rectangle with length 12 cm and width 5 cm.

17. Solve the equation: log(x) = 2.

18. Determine the x-coordinate of the vertex of the parabola given by the equation y = -2x^2 + 4x + 3.

19. Simplify the expression: (3x - 2)^2.

20. Find the value of y in the equation 4y + 7 = 31.

21. Calculate the area of a circle with radius 5 cm.

22. Solve the inequality: 3x + 2 > 10.

23. Determine the x-intercept(s) of the graph of the equation y = x^3 -

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