Question, Difficulty Level, Revised Bloom’s Level

"What is the value of 7 + 8?",Easy,Remembering

"If a rectangle has a length of 5 and a width of 3, what is its area?",Easy,Understanding "Simplify: 3(4 + 2) - 5.",Easy,Applying

"Solve for x: 2x + 5 = 15.",Medium,Applying

"Find the missing angle in a triangle if two angles are 40° and 75°.",Medium,Analyzing "Compare and determine which is greater: 3^4 or 5^3.",Hard,Evaluating

"Design a word problem that can be solved using the quadratic formula.",Hard,Creating "What is the square root of 144?",Easy,Remembering

"If y = 3x + 2, what is y when x = 5?",Easy,Understanding "Solve for x: 4x - 7 = 9.",Easy,Applying

"Find the perimeter of a triangle with sides 5 cm, 12 cm, and 13 cm.",Easy,Applying "Determine whether 121 is a prime number.",Medium,Analyzing

"Solve for x: x^2 - 9 = 0.",Medium,Applying "Convert 0.75 into a fraction.",Easy,Understanding

"A car travels 120 miles in 3 hours. What is its average speed?",Medium,Applying "If f(x) = x^2 - 3x + 2, find f(4).",Medium,Applying

"Solve the system of equations: 2x + y = 10, x - y = 2.",Hard,Analyzing "Find the derivative of f(x) = 3x^3 - 5x + 2.",Hard,Applying

"Evaluate the integral ∫(2x + 3) dx.",Hard,Applying

"Prove that the sum of two even numbers is always even.",Hard,Evaluating "Determine if the function f(x) = x^3 - 4x is one-to-one.",Hard,Analyzing

"A company’s profit function is P(x) = -2x^2 + 8x + 5. Find the maximum profit.",Hard,Evaluating

"Write an equation of a parabola with vertex (2, -3) and passing through (4, 1).",Hard,Creating

"Create a real-world scenario where the Pythagorean Theorem is applicable.",Hard,Creating

"Design a probability experiment with expected outcomes.",Hard,Creating