Writing Exponential Functions from Tables and Graphs: A Structured Guide

Original tasks 1, 2 / independent work

Task 1

Table: (0, 2), (1, 6), (2, 18), (3, 54). Write the exponential function.

Task 2

Table: (1, 12), (2, 6), (3, 3), (4, 1.5). Write the exponential function.

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Original tasks 3, 4 / independent work

Task 3

Graph description: A smooth curve crosses the y-axis at (0, 4) and passes through (1, 10) and (2, 25). Write the exponential function.

Task 4

Graph description: A decaying curve crosses the y-axis at (0, 8) and passes through (1, 4) and (2, 2). Write the exponential function.