Algebra Lab: Matching Graphs, Points, and Slopes

Original tasks 1, 2 / independent work

Task 1

Graph A passes through (0, 1) and (2, 5). Point card P reads (3, 7). Slope card S reads 2. Do these form a triple? Show both slope calculations.

Task 2

Graph B passes through (1, 6) and (3, 2). Point card Q reads (4, 0). Slope card T reads negative 2. Do these form a triple? Show both calculations.

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Original tasks 3, 4 / independent work

Task 3

Graph C passes through (0, 0) and (4, 2). Point card R reads (6, 3). Slope card U reads one half. Do these form a triple? Show both calculations.

Task 4

Graph D passes through (2, 5) and (5, 11). Point card V reads (8, 17). Slope card W reads 2. Do these form a triple? Show both calculations.