Classify Slope Type from Two Points: Positive, Negative, Zero, or Undefined

Worked example / complete source key

Classify the slope type for the points (4, 7) and (9, 2). Explain your reasoning.

Answer: Negative slope. The smaller x-value is 4, so start at (4, 7). As x increases to 9, y decreases from 7 to 2. Since y decreases as x increases, the slope is negative.