

Algebra 1
Positive, Negative, Zero, and Undefined Slope

Positive, Negative, Zero, and Undefined Slope | A1-U05-P04

96 problems · Four activity formats

01	Answer Bank Challenge	24 tasks
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04	Error Analysis & Strategy	24 tasks
05	Quick Answer Key	96 answers
06	Full Worked Solutions	96 solutions
07	Teacher / Parent Use Guide	included
08	Terms of Use & License	included

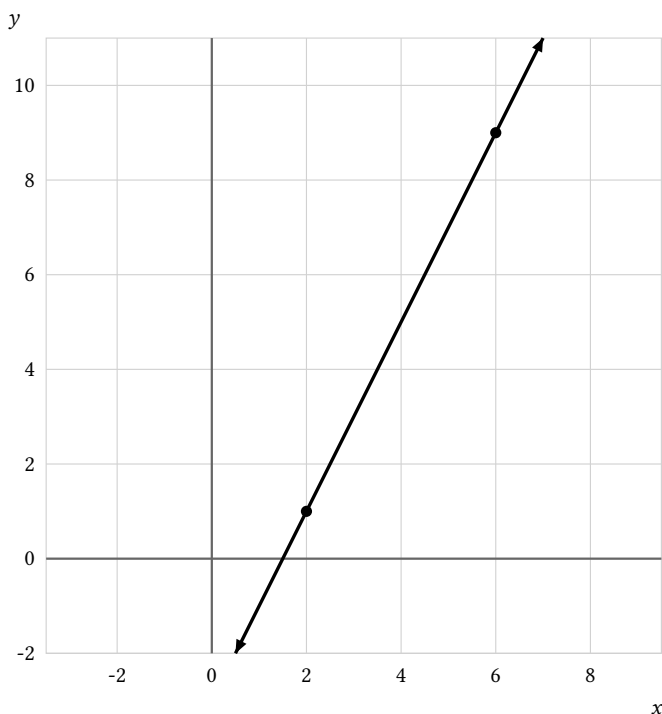
Topic focus
Across 96 tasks this topic asks for positive, negative, zero, or undefined with a decisive reason.
8 PDFs and a README; 92 buyer pages.

Algebra 1

**Positive, Negative, Zero,
and Undefined Slope**

Name: _____ Date: _____ Class: _____

Answer each question and record the matching bank letter. Give exact values. A value without its unit is not a complete answer.

An exact line graph passes through $(2, 1)$, $(6, 9)$. As x increases, classify its slope.

Bank label: _____

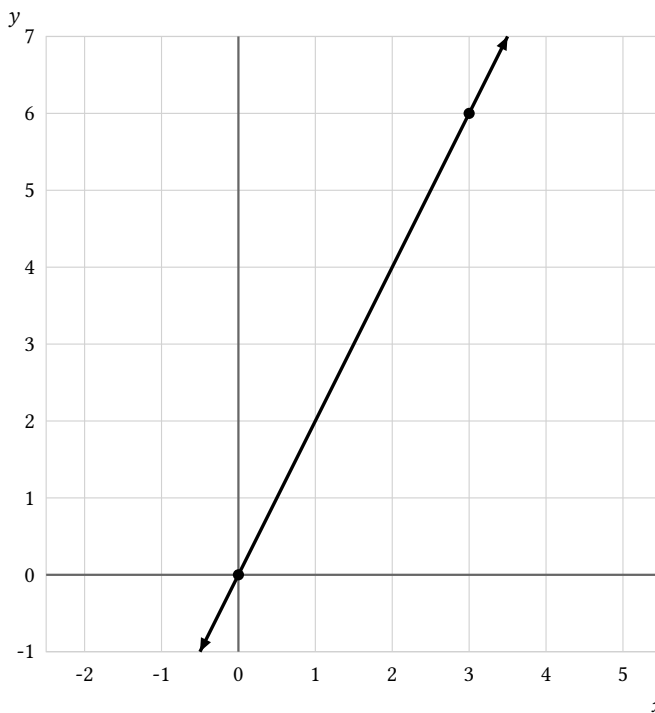
Algebra 1

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Name: _____ Date: _____ Class: _____

Answer each question and show your reasoning in the workspace. Give exact values rather than decimals unless the question supplies a decimal. A value without its unit is not a complete answer.

An exact line graph passes through $(0, 0)$, $(3, 6)$. As x increases, classify its slope.



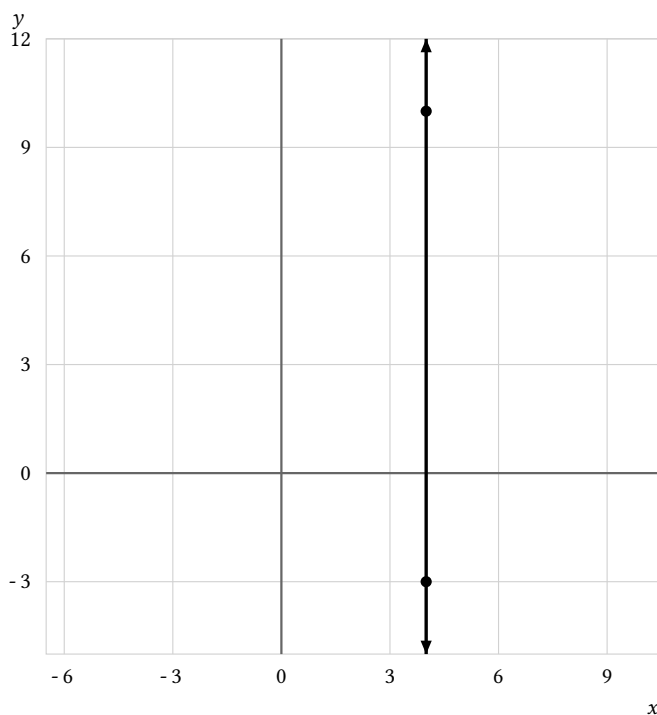
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Evaluate the supplied statement or method. Say whether it is correct, repair it if it is not, and verify the result exactly. Not every prompt contains an error.

Choose and justify a method before solving (compare coordinate changes, inspect orientation, or calculate rise over run). Then complete the task: A graph through $(4, -3)$, $(4, 10)$ is labeled zero slope because x does not change. Correct the label.

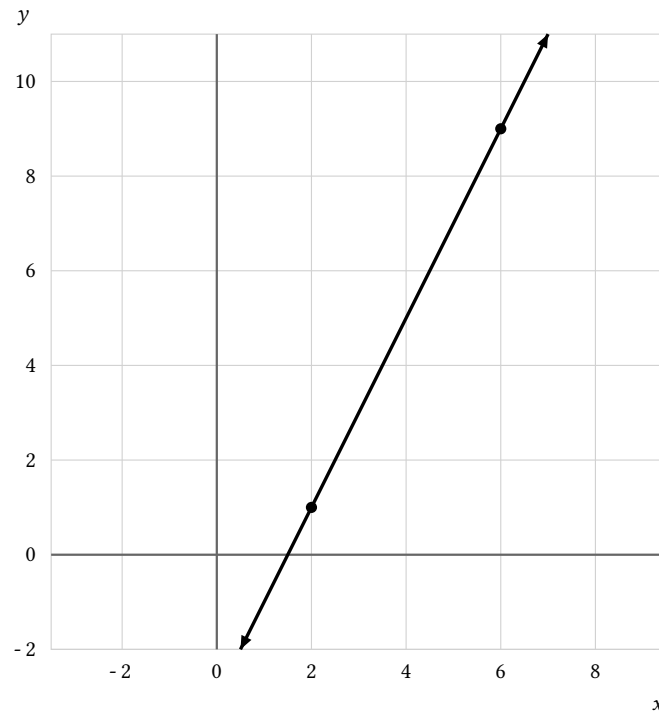


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Full Worked Solutions - excerpt

Worked example

Problem. An exact line graph passes through $(2, 1)$, $(6, 9)$. As x increases, classify its slope.



Answer. The line through $(2, 1)$, $(6, 9)$ has positive slope.

Explanation and check.

The signed changes are $\Delta x = 4$ and $\Delta y = 8$; their matching signs make the slope positive.