
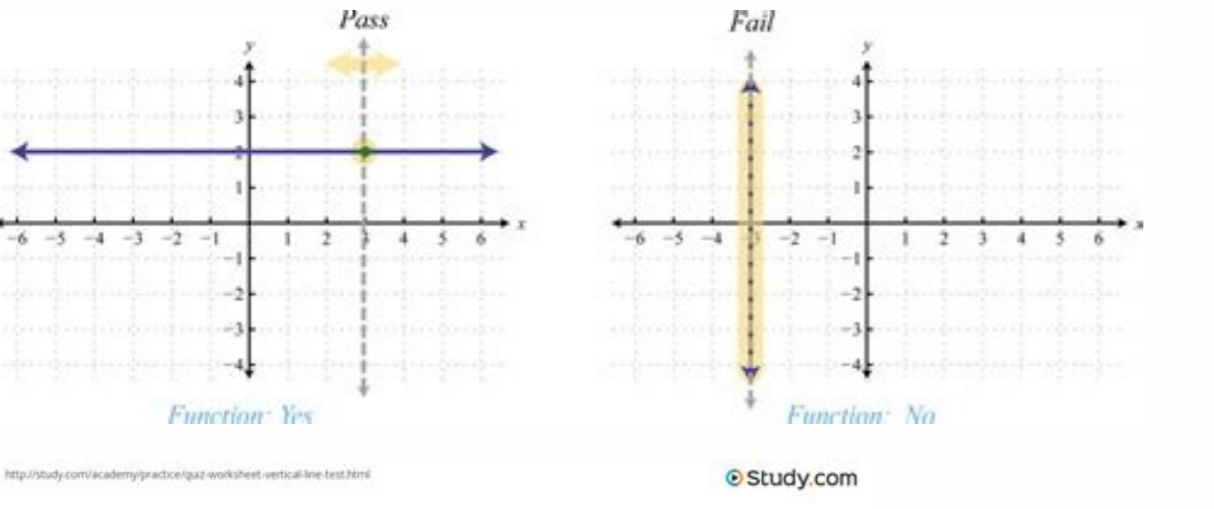
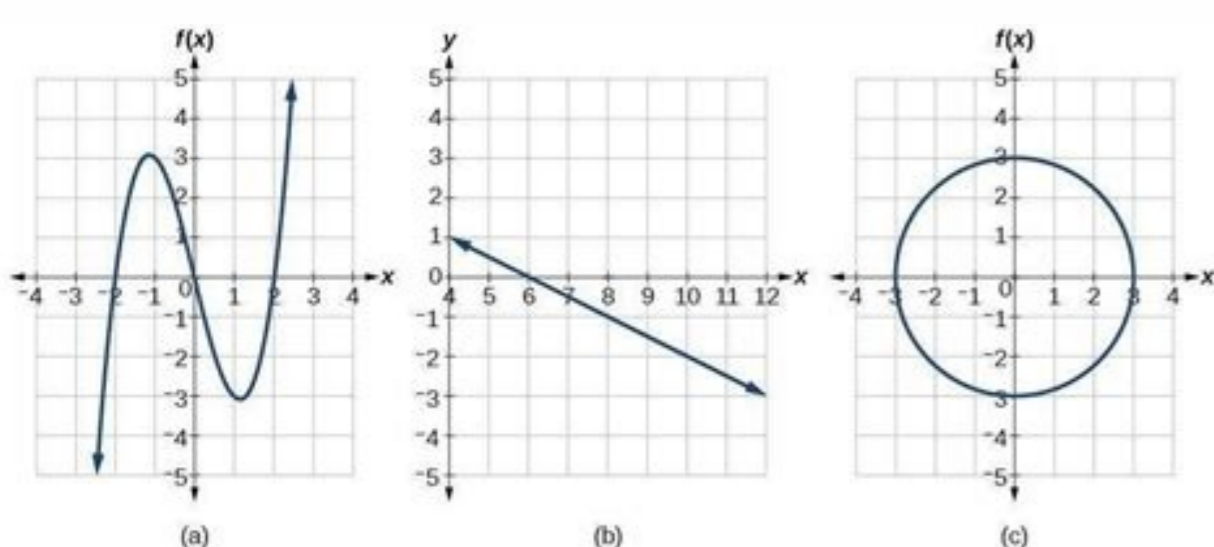


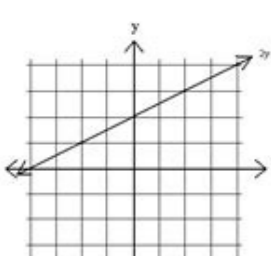
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Next

Vertical line test functions worksheet



Quiz & Worksheet - Vertical Line Test

- Which of the following is true about a function?
 - For every input, there is only one output.
 - For every x value, there is a unique y value.
 - All choices are true.
 - A function will pass the vertical line test.
- Using the vertical line test, what can you determine about the following graph?
 
 - It is a function, since a vertical line will cross the graph at one unique point.
 - It is not a function, since more of its solutions intersect with a vertical line.
 - There is not enough information to determine if the graph is a function.
 - It is a function, since a vertical line will cross the graph at more than one point.
- When would you use the vertical line test?
 - To determine if a line is vertical.
 - To determine if a graph represents a function.
 - To draw a graph from an equation.
 - To find the answer to an equation.

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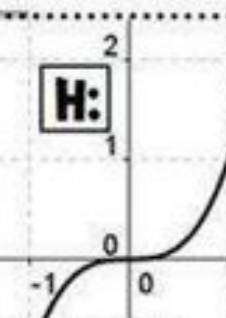
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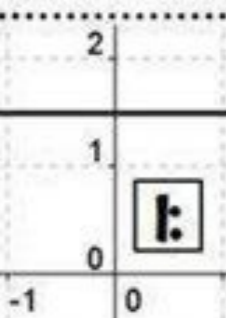
Function!

A: $\{(2, 5), (7, 9), (3, 9), (5, 8)\}$

C: $\{(5, 1), (4, 1), (3, 1), (2, 1)\}$ **O:** $y = 2$

P:	x	y
	-2	-8
	4	-1
	-4	-2
	2	1
	0	0

H: 

I: 


K: $x + y = 18$

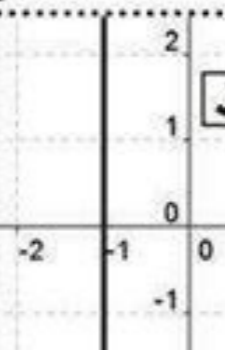
L: $y = x^2 - 13$

B: $\{(3, 5), (2, 5), (5, 8), (3, 1)\}$

E:	x	y
	3	1
	5	2
	7	3
	7	4
	9	5

F:	x	y
	2	5
	2	0
	2	-8
	2	2
	2	-5

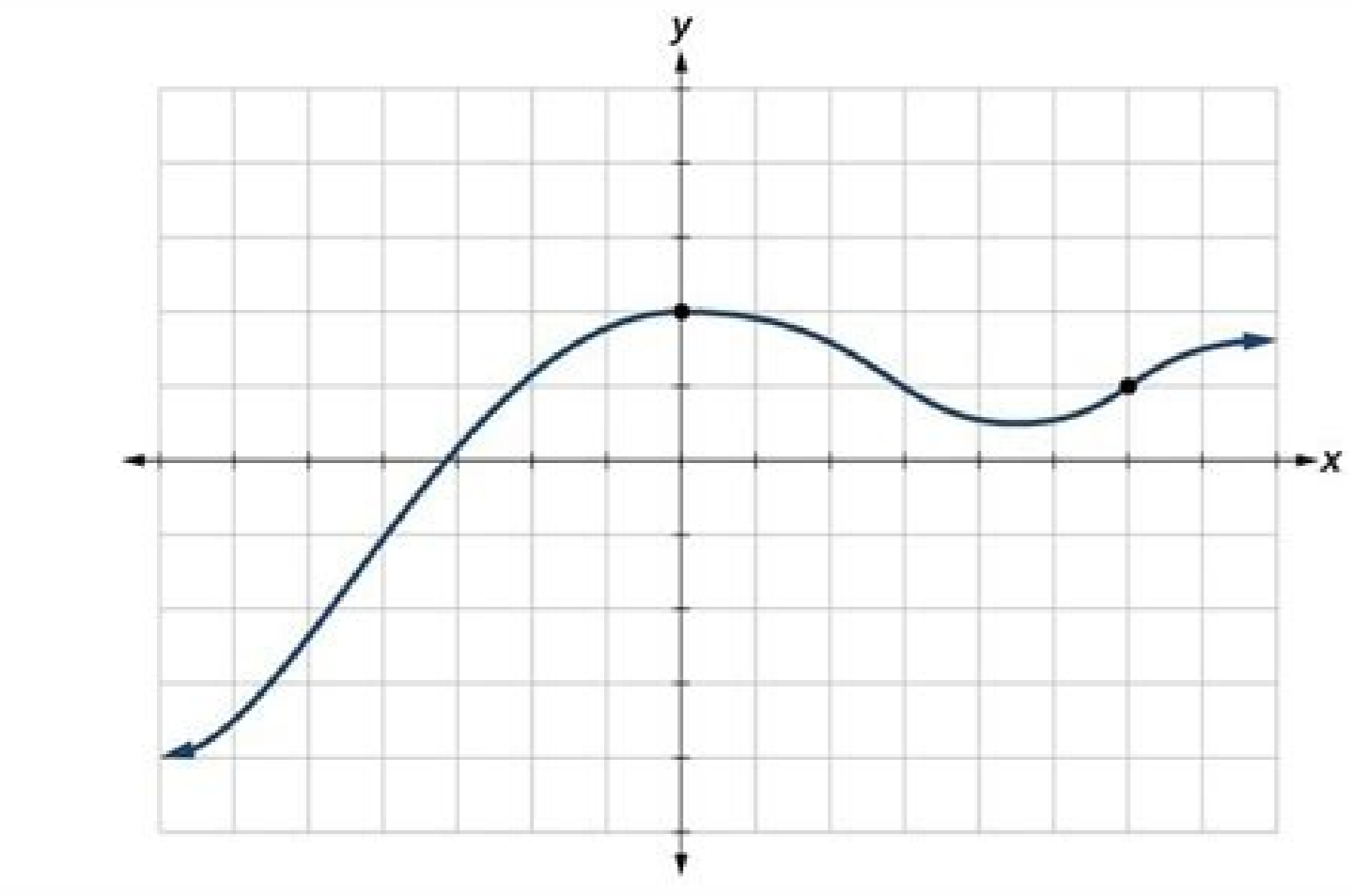
G: 

J: 

M: $x = y^2 + 1$

N: $x = 2$

Relation



Relations and functions vertical line test worksheet. Functions vertical line test worksheet.

COMPETENCY GOAL 5: The learner will understand and use linear relations and functions. AII.8 AII.10 AII.19 Problem 1 : Use the vertical line test to determine whether the following graph represents a function. Solution : Step 1 : Draw a vertical line at any where on the given graph. Step 2 : We have to check whether the vertical line drawn on the graph intersects the graph in at most one point. Step 3 : In the above graph, the vertical line intersects the graph in at most one point, then the given graph represents a function. Problem 2 : Use the vertical line test to determine whether the following graph represents a function. Standard EA-4: The student will demonstrate through the mathematical processes an understanding of the procedures for writing and solving linear equations and inequalities. AII.19 The student will collect and analyze data to make predictions and solve practical problems. ©All rights reserved. Functions Building Functions Build a function that models a relationship between two quantities Build new functions from existing functions Interpreting Functions Understand the concept of a function and use function notation Interpret functions that arise in applications in terms of the context Analyze functions using different representations Linear, Quadratic, and Exponential Models Construct and compare linear, quadratic, and exponential models and solve problems Interpret expressions for functions in terms of the situation they model Grades 9-12 Algebra Represent and analyze mathematical situations and structures using algebraic symbols Use mathematical models to represent and understand quantitative relationships Algebra 1 Algebra Competency Goal 4: The learner will use relations and functions to solve problems. The student will demonstrate through the mathematical processes an understanding of functions, systems of equations, and systems of linear inequalities. 8th Grade Patterns, Functions, and Algebra 8.14a The student will describe and represent relations and functions, using tables, graphs, and rules; and 8.14 The student will Secondary Algebra II All.08 The student will recognize multiple representations of functions (linear, quadratic, absolute value, step, and exponential functions) and convert between a graph, a table, and symbolic form. Introductory Mathematics Algebra COMPETENCY GOAL 4: The learner will understand and use linear relations and functions. Problem 2 : Use the vertical line test to determine whether the following graph represents a function. Grade 9 Functions and Relationships The student demonstrates conceptual understanding of functions, patterns, or sequences including those represented in real-world situations. A transformational approach to graphing will be employed through the use of graphing calculators. Graphing calculators will be used to investigate scatterplots and to determine the equation for a curve of best fit. Grade 8 Number and Operations, Measurement, Geometry, Data Analysis and Probability, Algebra COMPETENCY GOAL 5: The learner will understand and use linear relations and functions. onlinemath4all.com Models will include linear, quadratic, exponential, and logarithmic functions. Intermediate Algebra Algebra The student will understand and utilize the mathematical processes of problem solving, reasoning and proof, communication, connections, and representation. Solution : Step 1 : Draw a vertical line at any where on the given graph. Step 2 : We have to check whether the vertical line drawn on the graph intersects the graph in at most one point. Step 3 : In the above graph, the vertical line intersects the graph in more than one point (three points), then the given graph does not represent a function. Apart from the stuff given above, if you need any other stuff in math, please use our google custom search here. AII.10 The student will investigate and describe through the use of graphs the relationships between the solution of an equation, zero of a function, x-intercept of a graph, and factors of a polynomial expression. Grade 10 Functions and Relationships The student demonstrates conceptual understanding of functions, patterns, or sequences including those represented in real-world situations. Detailed Answer Key Problem 1 : Use the vertical line test to determine whether the following graph represents a function. The student demonstrates algebraic thinking. Kindly mail your feedback to v4formath@gmail.com We always appreciate your feedback. Elementary Algebra Elementary Algebra Standard EA-1: The student will understand and utilize the mathematical processes of problem solving, reasoning and proof, communication, connections, and representation. Algebra I Algebra Competency Goal 4: The learner will use relations and functions to solve problems. Technical Mathematics II Data Analysis and Probability Competency Goal 2: The learner will use relations and functions to solve problems.

Vertical Line Test - Displaying top 8 worksheets found for this concept.. Some of the worksheets for this concept are Vertical line test, Math work 1 function versus relation, Normal lines date period, Name date ms, Lines lines lines horizontal and vertical lines, Functions domain and range review date block, 7 functionswork, Date period. 31.01.2017 · pdf, 694.79 KB. I have created this PowerPoint to teach Vertical Line Graphs which (I understand) to now be included within the new maths curriculum. However, I really struggled to find ANY resources to teach it. This is fairly basic with no really obvious differentiation except for some 'thinking and understanding' questions; but it has an ... We have to check whether the vertical line drawn on the graph intersects the graph in at most one point. Step 3 : In the above graph, the vertical line intersects the graph in at most one point. Step 3 : Use the vertical line test to determine whether the following graph represents a function. Problem 2 : Use the vertical line test to determine whether the following graph represents a function. 04.11.2021 · Vertical Line Test Worksheet. Vertical Line Test Worksheet. Encouraged to help my personal blog site, within this occasion I am going to show you with regards to Vertical Line Test Worksheet. What about impression earlier mentioned? can be which wonderful??? if you believe and so, I'd show you several image again below: So, if you would like receive...Read More ... This quiz/worksheet presents a number of graphical representations. You will be asked to determine if the equations presented are functions or not ...

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