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Evaluating functions independent practice worksheet answer key

Mathworksheetsgo.com is now a part of Mathwarehouse.com. All of your worksheets are now here on Mathwarehouse.com. Please update your bookmarks! Students will practice evaluating functions and applying function notation. Error : Please Click on "Not a robot", then try downloading again.

Find the error in the students work:

$$f(x) = -3x^2 - 2x + 5$$

$$f(-2) = -3-2^2 - 2 - 2 + 5$$

$$f(-2) = -3 - 4 - 2 - 2 + 5$$

$$f(-2) = -6$$

For what value of x are $f(x) = 4x + 9$ and $g(x) = x^2 + 13$ equivalent?

Directions: Evaluate each function below.. Error : Please Click on "Not a robot", then try downloading again. Error : Please Click on "Not a robot", then try downloading again. Bank on our printable evaluating function worksheets to equip high school students with a sound knowledge and practice in evaluating a variety of functions beginning with linear, moving to quadratic, polynomial, rational, exponential, trigonometry, and piecewise functions. A bunch of revision pdfs with a mix of different types of functions to evaluate have been included. Our free worksheets are definitely worth a try! Evaluating Linear Functions Plug in the x-values (integers in the easy level and decimals and fractions in the moderate level) in each linear function in the form $f(x) = mx + b$ and evaluate to solve these pdfs. Evaluating Quadratic Functions This section deals exclusively with quadratic functions in the form $f(x) = ax^2 + bx + c$. High school students are expected to evaluate each quadratic function presented in two levels of difficulty. Evaluating Polynomial Functions Begin with substituting the specified values and then find $f(x)$ in each polynomial function presented in these easy and moderate levels of printable evaluating polynomial function handouts. Evaluating Rational Functions A rational function is one that can be written as the quotient of two polynomial functions. Let your industrious high school students try these evaluating rational function worksheets and bolster skills. Evaluating Exponential Functions Practice how to evaluate an exponential function with this array of pdfs. The formula for an exponential function is $f(x) = bx$, where b is the base and the independent variable x is the exponent. Evaluating Trigonometric Functions Evaluate functions containing primary and reciprocal trig functions. Assign the specified reference angles in the function $f(x)$ and evaluate functions featured in these trigonometric functions worksheet pdfs. Evaluating Piecewise Functions Piecewise functions work differently based on input values and are built from pieces of different functions over different intervals. Plug in the specified values and evaluate each piecewise function to find $f(x)$. Evaluating Functions | Mixed Review - Level 2 Upscale evaluating skills of high school students with these printable worksheets comprising polynomial, rational, exponential and trigonometric functions.

Name _____ Date _____

Dilations and Parallel Lines - Independent Practice Worksheet

Complete all the problems. Write all your answers in slope-intercept form.

1. Line f has the equation $y = -1/4x - 4$.
Write the equation of the image of f after a dilation with a scale factor of $1/4$, centered at the origin.

2. Line f has the equation $y = 5x - 5$.
Write the equation of the image of f after a dilation with a scale factor of $1/5$, centered at the origin.

3. Line f has the equation $y = 1/4x - 3$.
Write the equation of the image of f after a dilation with a scale factor of 2, centered at the origin.

4. Line f has the equation $y = 1/4x - 2$.
Write the equation of the image of f after a dilation with a scale factor of $1/4$, centered at the origin.

5. Line f has the equation $y = 1/2x + 3$.
Write the equation of the image of f after a dilation with a scale factor of $1/3$, centered at the origin.

6. Line f has the equation $y = -2x - 1$.
Write the equation of the image of f after a dilation with a scale factor of 5, centered at the origin.

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Plug the values in each function and evaluate. Evaluating Functions | Graph Analyze the outputs of functions for every input on the graph $y = f(x)$, (y is the output and x is the input). Evaluate each function from the graph in Part A, from function expressions in Part B and in Part C look for values of x that make $f(x) = g(x)$ true. Mathworksheetsgo.com is now a part of Mathwarehouse.com. All of your worksheets are now here on Mathwarehouse.com. Please update your bookmarks! Feel free to download and enjoy these free worksheets on functions and relations. Each one has model problems worked out step by step, practice problems, as well as challenge questions at the sheets end. Plus each one comes with an answer key. A mathematical function is an expression, rule, or law that specifies a relationship between one variable (the independent variable) and another variable. In other words, a function tells us how one variable relates to another (the dependent variable). In mathematics, functions can be found almost anywhere, and the formulation of physical relationships in the sciences is impossible without them. This worksheet will show how to evaluate functions and will enable the learners to try exercises and check if their answers are correct. How will the "Evaluating Functions Worksheet with Answers (PDF)" help you?The learners will be able to understand how to evaluate functions properly and check if their answers are correct. Utilize the worksheet that is provided to get a better grasp on the idea of evaluating functions. Make an effort to find solutions to the problems provided. Understanding the concept of function will help the learners grasp the essence of solving problems about the topic. It is not difficult to grasp the concept that functions establish a connection between two significant variables, one of which is dependent on the other.

$f(x) = 6x - 1$	Find $f(5)$	Original Problem
↓ $f(x) = 6x - 1$	↓ Find $f(5)$	← Notice how 5 replaces the x in the function notation.
$f(5) = 6(5) - 1$	Substitute 5 for x in the original function.	
$f(5) = 29$	Evaluate! This is your answer!	
<p>This answer means that if you substitute 5 for x, into this function, you will get an answer of 29! You 'used' to write: $y = 29$. Now, in place of y, you will use $f(5)$.</p> <p>** (The 5 can be replaced with whatever number you substitute into the equation.)</p>		

If you have any inquiries or feedback, please let us know.