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with a as a fraction

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Solving Absolute Value Equations and Inequalities - Number  
Line /u0026 Interval Notation - Algebra Absolute Value  
Functions Lesson ~~Absolute value inequalities | Linear  
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Absolute Value Functions /u0026 Graphs Algebra – Parent  
Functions and Transformations Graphing Absolute Value  
Functions /u0026 finding range and domain.mov Complex  
Absolute Value Inequality Example 1 ~~Double absolute value  
equation~~ Solve absolute value equations by graphing Cho -  
Writing Absolute Value as Piecewise Function Converting  
absolute value functions into piecewise functions ~~Graphing  
Absolute Value Functions – 1~~ Solving Absolute Value  
Inequalities [fbt] Graphing Absolute Value Equations

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Accounting for Foreign Currency Transactions Part  
2-Hedging and Forward Contracts

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2-7 Absolute Value Functions and Graphs Solving Advanced  
Absolute Value Equations 7.2: lesson 2 (Piecewise Functions  
of Absolute Value Functions) ~~Graphing Absolute Value  
Functions ( $y=a|x-h|+k$ ) Absolute Value Function (How to  
Graph) How To Graph Absolute Value Functions More  
Graphing Absolute Value Functions - Module 2.1 (Part 2) ~~2-9  
Absolute Value Functions~~~~

2-9 Absolute-Value Functions Warm Up Let  $g(x)$  be the  
indicated transformation of  $f(x)$ . Write the rule for  $g(x)$ . 1.  $f(x)$   
 $= -2x + 5$ ; vertical translation 6 units down 2.  $f(x) = x + 2$ ;  
vertical stretch by a factor of 4 Write, graph and transform  
absolute-value functions including (1) translations,

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## ~~2-9 Absolute Value Functions~~

LESSON 2-9 Practice A 1.  $g(x) = |x| + 3$  2.  $g(x) = |x - 3|$  3.  $g(x) = |-x|$  4.  $g(x) = 1 - 3x$  5.  $g(x) = -|x|$  6.  $g(x) = 0.1|x|$  7.  $f(x) = |x - 6| + 4$  8.  $f(x) = |x + 1| + 5$  9.  $f(x) = |x - 3| - 3$  10.  $f(x) = |x - 1| + 3$  11.  $f(x) = -1 - 2x$  Practice B 1.  $g(x) = |2x| - 4$  2.  $g(x) = |-2x| + 3$  3.  $g(x) = |2x + 5| + 3$  4.  $f(x) = |x - 6| - 3$  5.

## ~~2-9 Absolute Value Functions~~ Highlands School District

Understanding Absolute Value. Recall that in its basic form the absolute value function is one of our toolkit functions. The absolute value function is commonly thought of as providing the distance the number is from zero on a number

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line. Algebraically, for whatever the input value is, the output is the value without regard to sign.

~~Absolute Value Functions—Algebra and Trigonometry—~~

~~[http://my.hrw.com/math06\\_07/nsmedia/practice\\_quizzes/alg2/alg2\\_pq\\_lfu\\_09.html](http://my.hrw.com/math06_07/nsmedia/practice_quizzes/alg2/alg2_pq_lfu_09.html)~~

~~2.9: Absolute Value Functions—Sorensen Math~~

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~~2.9 Absolute Value Functions~~

~~The basic absolute value function changes direction at the origin, so this graph has been shifted to the right 3 and down~~

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2 from the basic toolkit function. We might also notice that the graph appears stretched, since the linear portions have slopes of 2 and -2.

### ~~2.5: Absolute Value Functions – Mathematics LibreTexts~~

An absolute value function has an expression within absolute value symbols. For example, all of the following are absolute value functions:  $y = |x|$   $y = |x + 5|$   $y = |x - 10| + 9$ ; Some authors take the term “ absolute value function ” to mean just the first function ( $y = |x|$ ). Others use it to mean all functions that include an absolute value expression. The differing terminology may stem from the fact that other functions (e.g. items 2 & 3) are just transformations (shifts and stretches ...

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## ~~Absolute Value Function: Definition – Calculus How To~~

So the blue hump in the middle of the graph is  $y = -x^2 + 9$ . In order to reflect a function about the x axis just multiply the right hand side of the equation by -1. If you redefine the function in  $|x^2-9|$  in a piece wise fashion, you can find the derivative on each part.  $y = \{ x^2 - 9$  when  $x = -3$   $9-x^2$  when  $-3 < x < 3$  (the reflection)

## ~~Calculus Clarified: Piecewise Function, $y = |x^2-9|$ Plot ...~~

So the absolute value of 6 is 6, and the absolute value of - 6 is also 6. More Examples: The absolute value of - 9 is 9; The absolute value of 3 is 3; The absolute value of 0 is 0; The absolute value of - 156 is 156; No Negatives! So in practice



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"absolute value" means to remove any negative sign in front of a number, and to think of all ...

## ~~Absolute Value – MATH~~

While the methods in Section 1.7 can be used to graph an entire family of absolute value functions, not all functions involving absolute values possess the characteristic ' $\vee$ ' shape. As the next example illustrates, often there is no substitute for appealing directly to the definition.

## ~~2.2: Absolute Value Functions – Mathematics LibreTexts~~

<https://www.patreon.com/ProfessorLeonard> Intermediate Algebra Lecture 9.2: Solving Absolute Value Equations

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~~Intermediate Algebra Lecture 9.2: Solving Absolute Value...~~

Copyright © by Holt, Rinehart and Winston. 70Holt Algebra 2. All rights reserved. Name Date Class. Reteach 2-9Absolute-Value Functions. LESSON. The graph of the absolute-value parent function looks like a V. To translate  $f(x) = |x|$  to a new vertex  $(h, k)$ , use  $g(x) = |x - h| + k$ . Translate  $f(x) = |x|$  so that the vertex is at  $(2, 3)$ .  $g(x) = |x - h| + k$  Write the transformation.  $g(x) = |x - 2| + 3$  Substitute  $h = 2, k = 3$ .  $g(x) = |x - 2| + 3$  Simplify.

## ~~LESSON Reteach Absolute Value Functions~~

Recall that in its basic form the absolute value function is one of our toolkit functions. The absolute value function is commonly thought of as providing the distance the number is from zero on a number line. Algebraically, for whatever the

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input value is, the output is the value without regard to sign. Knowing this, we can use absolute value functions to solve some kinds of real-world problems.

### ~~Absolute Value Functions—College Algebra—~~

In this section, we will continue our investigation of absolute value functions. Understanding Absolute Value . Recall that in its basic form  $f(x) = |x|$ ,  $f(x) = |x|$ , the absolute value function is one of our toolkit functions. The absolute value function is commonly thought of as providing the distance the number is from zero on a number line. Algebraically, for whatever the input value is, the output is the value without regard to sign.

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~~3.6 Absolute Value Functions – College Algebra | OpenStax~~  
Furey, Edward "Absolute Value Calculator"; CalculatorSoup,  
<https://www.calculatorsoup.com> - Online Calculators

## ~~Absolute Value Calculator~~

The basic absolute value function changes direction at the origin, so this graph has been shifted to the right 3 units and down 2 units from the basic toolkit function. See Figure  $f(x) = |x - 3| - 2$ . Figure  $f(x) = |x - 3| - 2$ : Graph of two transformations for an absolute function at  $(3, -2)$ .

~~4.7: Absolute Value Functions – Mathematics LibreTexts~~  
Solving absolute value equations is somewhat tricky; it requires understanding of the absolute value property....

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Read More. High School Math Solutions – Quadratic Equations Calculator, Part 1. A quadratic equation is a second degree polynomial having the general form  $ax^2 + bx + c = 0$ , where a, b, and c...

~~4|2x-8|=9 – Absolute Value Equation Calculator – Symbolab~~  
About absolute value equations. Solve an absolute value equation using the following steps: Get the absolute value expression by itself. Set up two equations and solve them separately. Absolute Value Equation Video Lesson. Khan Academy Video: Absolute ...

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