

Functions and graphs

Activity 1. Determine if each set of the following information defines a function or not.

http://www.algebralab.org/practice/practice.aspx?file=Algebra1_12-1.xml

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Algebra I Exercises: Functions and Relations

Review Course Notes

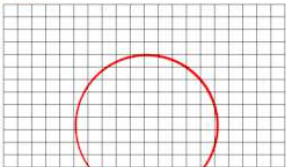
Question Group # 1




Directions and/or Common Information: Determine if each set of information given below defines a function or a relation.

$\{(2,3), (5,3), (3,5), (4,2)\}$

✓ 1. Function
 Relation

Hint



Activity 2. Evaluate in each case, the function at the indicated x-value.

<https://www.quia.com/cb/62632.html>

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Challenge Board: Score points by answering questions correctly.

Evaluating Functions

In this activity, evaluate each function at the given value. Make sure that you adhere to the order of operations. Write down each problem and show your work. You must turn your paper in to your teacher when you are finished.

Tools

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Player 1 name

Player 2 name (optional)

Begin 1-player game
Begin 2-player game

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Tools

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Player 1, select a question:

Change players	Player 1 0				
I love functions	100	100	100	100	100
functions 101	100	100	100	100	100
functions are cool	100	100	100	100	100
put a # in the function machine	100	100	100	100	100
can't we do anything else?	100	100	100	100	100

Activity 3. Evaluate in each case, the function at the indicated x-value. Express your answer as an ordered pair.

<https://www.quia.com/cb/79591.html>

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Challenge Board: Score points by answering questions correctly.

Function Notation Game

For this game
 $f(x)=x-4$, $g(x)=1/3x-2$,
 $h(x)=3x^2-5$ and $k(x)=6-x$
Express your answer as an ordered pair!

Tools
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Player 1 Name:

Player 2 Name:

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Challenge Board: Score points by answering questions correctly.

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For this game
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★ 0

Player 1

I rule!	I am a math Genius!	Even I can do this!	Waz UP?	I am the BEST
100	100	100	100	100
100	100	100	100	100
100	100	100	100	100

Activity 4. Graph the algebraic expression in on a graduated paper in each case, and choose the right option.

<https://www.quia.com/cb/79595.html>

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Graphing Jeopardy

Work with a partner, graph all graphs on graph paper then MATCH your graph to the given graphs. Do NOT guess!

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Player 1 name

Player 2 name (optional)

[Begin 1-player game](#) [Begin 2-player game](#)

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Player 1, select a question:

Change players	Player 1 0				
Graphs	500	500	500	500	500
More Graphs	500	500	500	500	500
Even More Graphs	500	500	500	500	500
Oh yea, graphs	500	500	500	500	500
yeppe, that is graphs	500	500	500	500	500