

Composition of Functions - Websites

<http://www.purplemath.com/modules/fcncomp.htm>

This website introduces the concept of the composition of functions by composing functions that are sets of points. Then it shows from plotted points and evaluating. I have seen in my experience students struggle when working on this topic. What I have seen is they don't understand what or why they are "plugging in" for. I thought this website gave a different approach to what I have seen in textbooks.

http://www.algebralab.org/lessons/lesson.aspx?file=Algebra_FunctionsRelationsComposition.xml

This website is a good website for students to use at home. They are given examples to work on once they type in their answer they can see if they were correct / incorrect.

http://glencoe.mcgraw-hill.com/sites/0078884829/student_view0/student_workbooks.html

This website has both a student homework pdf and a student study guide and intervention pdf. If you download these files you can use them as supplemental worksheets to give to the students.

<http://archives.math.utk.edu/visual.calculus/0/compositions.5/index.html>

This website has a tutorial that defines the composition of two functions. We look at some examples of compositions of functions. We see an algorithm that illustrates how to get the graph of the composition of two functions from the graphs of the two components. We show how to graph the composition of two functions on a graphing calculator. Finally, we provide some exercises on writing a given function as the composition of two functions. After working through these materials, the student should be able to calculate algebraically the composition of two functions; to approximate geometrically the graph of the composition of two functions; to use a calculator to graph the composition of two functions; to express a given function as the composition of two other functions.

<http://www.mathwarehouse.com/algebra/relation/composition-of-function.php>

This website is an interactive it completed examples that can be done as a class. This page also gives examples for students to work on where they type view the answer once they try the problem.