

Math 1513 - College Algebra

Written Assignment 11 - Due 2014.04.06

Directions: Please answer the following question in complete sentences. Be sure to label all geometric objects in any illustrations (if any). I will accept an answer in a scanned image format, as a pdf, or as a picture taken and sent from your awesome smart phone.

Consider the function $f(x) = 3x + 2$. Compute the inverse function, $f^{-1}(x)$, to $f(x)$ and verify that $(f \circ f^{-1})(x) = (f^{-1} \circ f)(x) = x$. Furthermore, graph both $f(x)$ and its inverse on the same graph.