Math 1513 - College Algebra
Written Assignment 12 - Due 2010.11.07

Directions: Please answer the following question in complete sentences. Be sure to label all geometric objects in any illustrations. I will accept an answer in a scanned image format, in a Word document or as a pdf.

Question: Encode the message I LOVE MATH, using the one to one function defined by $f(x) = (x+1)^3$. Give the inverse function that the decoder would need when the message is received. See Example 8 from Section 4.1 for more information on the decoder operation.