Math 1513 - College Algebra
Written Assignment 4 - Due 2015.06.28

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.

Question: Sketch the graph of a function F which satisfies the properties given below. If no such function can be drawn, give a detailed reason as to why not.

(1) The domain is $(-2, 1] \cup [2, 4)$

(2) The range is $[-5, 3]$

(3) The functions is always increasing on the domain.