

Math 1513 - College Algebra

Written Assignment 6 - Due 2014.09.28

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, as a pdf, or sent from your awesome picture 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 $[-3, 3]$
- (3) The functions is always increasing on each of the intervals $(-2, 1]$ and $[2, 4)$.