

# Math 1513 - College Algebra

## Written Assignment 4 - Due 2012.06.30

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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: 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  $(-1, 0) \cup (1, 5]$
- (2) The range is  $(-\infty, \pi)$
- (3) The functions is always increasing.