

Math 1513 - College Algebra

Written Assignment 12 - Due 2017.04.09

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.

Sketch the graph of a *single* function which satisfies *all* of the following:

- (a) the domain is $(-4, 0) \cup [2, 4)$.
- (b) the range is $(-3, 0) \cup (0, 2]$.
- (c) the function is increasing on $(-4, 0)$.
- (d) the function is decreasing on $[2, 4)$.
- (e) the function is invertible.