

Math 1513 - College Algebra

Written Assignment 6 - Due 2019.10.06

Directions: Please answer the following question in complete sentences and show ALL work. 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. Do NOT send a Microsoft Word document, and be sure to submit your work through BlackBoard.

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

- (a) the domain is $(2, 4) \cup [5, 6]$.
- (b) the range is $[1, 3) \cup (3, 6]$.
- (c) the function is increasing on $(2, 3] \cup [5, 6]$.
- (d) the function is decreasing on $(3, 4)$.
- (e) the function is invertible.