

Math 1513 - College Algebra

Written Assignment 3 - Due 2018.02.04

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.

Find **all** values of b such that the following inequality has *no* solution, and do so *without* solving the equation:

$$\sqrt{2x + b} + \sqrt{3x - 4} > 2018.$$