

Math 1513 - College Algebra

Written Assignment 3 - Due 2014.02.02

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.

If $A = \{x \mid -2 \leq x \leq 10\}$, $C = \{x \mid 5 < x \leq 10\}$ and $D = \{x \mid -2 \leq x < 15\}$. Find the set B such that $A \cap B = C$, and $A \cup B = D$. Express your answer in set notation and interval notation.