

Math 1513 - College Algebra

Written Assignment 4 - Due 2017.02.05

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.

Question: The absolute value of a complex number $z = a + bi$, denoted $|z|$, is given by the formula

$$|z| = \sqrt{a^2 + b^2}$$

Find three distinct complex numbers (which are neither purely imaginary nor purely real) such that each has an absolute value of 5.