

Complex Conjugation

Quiz: Complex Conjugation.

If $\bar{z} = -z$, what does that tell us about the value of $z = a + bi$?

Choices:

- a) z is purely imaginary.
- b) z is real.
- c) z has length 1.
- d) $z = 0$.
- e) None of the above.

Answer:

Answer: (a)

$$a + bi = -(a - bi) \text{ implies } a = -a = 0.$$

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