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

Think about your answer and then look at the choices.

Choices:

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

Pick what you think is the correct choice and then look at the answer.

Answer:

Answer: (a)

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