

Absolute Value

Find the absolute value of each complex number.

1) $\frac{3 - 7i}{9}$

2) $-7 + 4i$

3) $\sqrt{-64}$

4) $-10i$

$-6(-2 - i)$

7) $1 + 6i$

$-8 - \sqrt{-25}$

10) What is the absolute value of

i) $-(2 - 3i)$?

a) 11

d) $\sqrt{85}$

11) If $(12, 5)$ represents a complex number z on the complex plane, then what is the absolute value of \bar{z} ?

a) 13

b) 12

c) 5

d) 11

12) The absolute value of the complex number $8 + bi$ is $\sqrt{68}$. What is the value of $\frac{a^2}{b^2}$?

a) 4

b) $\frac{1}{4}$

c) 16

d) $\frac{1}{16}$

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