

Name : _____

Absolute Value

Sheet 1

Find the absolute value of each complex number.

1) $2 + i$

2) 7

3) $8 - \sqrt{-36}$

4) $-1 + \sqrt{-9}$

$\sqrt{100} - 2i$

7) $-6i$

$4(-5 - 3i)$

10) The absolute

a) \sqrt{z}

d) $\sqrt{\frac{z}{z}}$

11) The absolute value of the complex number $3 + bi$ is $\sqrt{130}$. What is the value of b ?

a) $b = \pm 11$

b) $b = 121$

c) $b = \pm 3$

d) $b = 9$

12) What is the absolute value of the complex number $(9 + 2i) + (3 + 3i)$?

a) 169

b) 144

c) 25

d) 13

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