

Absolute Value and Argument

A) Find the absolute value of each complex number.

1) $-7 + 5i$

2) $\sqrt{-15}$

3) $2 + 3i$

4) $9 - 4i$

5) $2(2 + 4i)$

6) 12

7) $3 + \frac{1}{2}i$

$13 + \sqrt{-7}$

PREVIEW

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B) Find the arg

1) 2

$\sqrt{3} + i$

4) $2 - \sqrt{-4}$

5) $-2\sqrt{3} - 2i$

6) $\sqrt{-13}$

Absolute Value and Argument

A) Find the absolute value of each complex number.

1) $-7 + 5i$

2) $\sqrt{-15}$

3) $2 + 3i$

$\sqrt{74}$

$\sqrt{15}$

$\sqrt{13}$

4) $9 - 4i$

5) $2(2 + 4i)$

6) 12

$\sqrt{97}$

PREVIEW

12

7) $3 + \frac{1}{2}i$

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$13 + \sqrt{-7}$

$\frac{\sqrt{37}}{2}$

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$4\sqrt{11}$

B) Find the arg

1) 2

$\sqrt{3} + i$

0

$\frac{2\pi}{3}$

$\frac{\pi}{6}$

4) $2 - \sqrt{-4}$

5) $-2\sqrt{3} - 2i$

6) $\sqrt{-13}$

$-\frac{\pi}{4}$

$-\frac{5\pi}{6}$

$\frac{\pi}{2}$