

Absolute Value and Argument

A) Find the absolute value of each complex number.

1) $-3(2 - 5i)$

2) $3\sqrt{3} + \sqrt{-1}$

3) $5 - 5i$

4) $\frac{8 - 3i}{4}$

5) $4 + 7i$

6) $9 - 11i$

7) $2 + 9i$

$-13 - 2i$

B) Find the arg

1) $-1 - \sqrt{3}i$

$\sqrt{18} + \sqrt{-6}$

4) -6

5) $7\sqrt{2}\left(\frac{1-i}{2}\right)$

6) $\frac{1}{2}(\sqrt{3} + i)$

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Absolute Value and Argument

A) Find the absolute value of each complex number.

1) $-3(2 - 5i)$

2) $3\sqrt{3} + \sqrt{-1}$

3) $5 - 5i$

$3\sqrt{29}$

$2\sqrt{7}$

$5\sqrt{2}$

4) $\frac{8 - 3i}{4}$

5) $4 + 7i$

6) $9 - 11i$

$\frac{\sqrt{73}}{4}$

PREVIEW

$\sqrt{202}$

7) $2 + 9i$

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$-13 - 2i$

$\sqrt{85}$

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$\sqrt{173}$

B) Find the arg

1) $-1 - \sqrt{3}i$

$\sqrt{18} + \sqrt{-6}$

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

$\frac{\pi}{2}$

$\frac{\pi}{6}$

4) -6

5) $7\sqrt{2}\left(\frac{1-i}{2}\right)$

6) $\frac{1}{2}(\sqrt{3} + i)$

π

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

$\frac{\pi}{6}$