

Conjugate of Complex Numbers

Write the conjugate of each complex number.

1) $4 + 9i$

2) $-\frac{3}{8} - \frac{i}{5}$

3) $6 - \sqrt{-7}$

4) $-4i + 13$

5) $5 - i$

6) $\sqrt{-3}$

7) $\sqrt{3} - \sqrt{6}i$

12

10) If $z = 13 - 5i$,

a) $13 + 5i$

d) $-13 - 5i$

11) If $\bar{z} = \frac{1}{2} + i$, then $z - \bar{z}$ is

a) $2i$

b) -1

c) $-2i$

d) 1

12) If $z = \sqrt{-2}$, then the real part of the complex number z is

a) $-\sqrt{2}$

b) 0

c) 2

d) $\sqrt{2}$

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Conjugate of Complex Numbers

Write the conjugate of each complex number.

1) $4 + 9i$

$4 - 9i$

2) $-\frac{3}{8} - \frac{i}{5}$

$-\frac{3}{8} + \frac{1}{5}i$

3) $6 - \sqrt{-7}$

$6 + \sqrt{7}i$

4) $-4i + 13$

$13 + 4i$

5) $5 - i$

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6) $\sqrt{-3}$

$-\sqrt{3}i$

7) $\sqrt{3} - \sqrt{6}i$

$\sqrt{3} + \sqrt{6}i$

8) 12

12

10) If $z = 13 - 5i$,

a) $13 + 5i$

d) $-13 - 5i$

11) If $\bar{z} = \frac{1}{2} + i$, then $z - z$ is

~~a) $2i$~~

b) -1

c) $-2i$

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12) If $z = \sqrt{-2}$, then the real part of the complex number z is

a) $-\sqrt{2}$

~~b) 0~~

c) 2

d) $\sqrt{2}$