

Conjugate of Complex Numbers

Write the conjugate of each complex number.

1) $2\sqrt{3}i$

2) $-1 - \sqrt{-5}$

3) $\frac{7 - \sqrt{-2}}{3}$

4) $\frac{\sqrt{7}}{4}$

5) $7i - 9$

6) $-12 - i$

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

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10) If $z = -i$, then

a) $-i$

d) i^2

11) If $z + \bar{z} = 8$, then the real part of z is

a) 8

b) -4

c) 4

d) -8

12) If $z = 3 + 4i$, then $z - \bar{\bar{z}}$ is

a) 0

b) $8i$

c) $-8i$

d) 6