

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) $-12 - i$

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

6) $6 + 13i$

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

PREVIEW

Gain complete access to the largest
collection of worksheets in all subjects!

Members, please
log in to
download this
worksheet.

Not a member?
Please sign up to
gain complete
access.

www.mathworksheets4kids.com

Conjugate of Complex Numbers

Write the conjugate of each complex number.

1) $2\sqrt{3}i$

$-2\sqrt{3}i$

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

$-1 + \sqrt{5}i$

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

$\frac{7}{3} + \frac{\sqrt{2}i}{3}$

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

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

-12 - i

$-12 + i$

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

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

6 + 13i

$6 - 13i$

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

PREVIEW

Gain complete access to the largest
collection of worksheets in all subjects!

Members, please
log in to
download this
worksheet.

Not a member?
Please sign up to
gain complete
access.

www.mathworksheets4kids.com