

DEF: Complex Conjugate of $a + jb \equiv a - jb$ \equiv complex number with imaginary part inverted

NOT'N: $z^* \equiv$ complex conjugate of z

TOOL: To find the complex conjugate of an expression, change each j to $-j$.

NOTE: This is equivalent to (but easier than) converting the expression to form $a + jb$ and changing it to $a - jb$.

TOOL: $(Ae^{j\phi})^* = Ae^{-j\phi}$ when A is real

TOOL: To find z^* , reflect z around the real axis. In other words, preserve the magnitude but take the negative of the phase angle.