Real numbers, rational powers and complex arithmetic

ACT · Vocabulary in context

Word	Example
÷ **rational number** /ˈræʃənl ˈnʌmbə/	0.75 is a **rational number** because it equals 3/4.
π **irrational number** /ɪˈræʃənl ˈnʌmbə/	√2 is an **irrational number**: it cannot be written as a fraction.
$\mathcal{I}$ **imaginary unit**	The **imaginary unit** i is defined by $i^2 = -1$.
complex conjugate /ˈkɒmpleks ˈkɒndʒuːgeɪt/	The **complex conjugate** of $4 + 2i$ is $4 - 2i$. $4 + 2i$ $4 - 2i$

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