

3 phases in the i life span1) i allows us to square root a negative number

$$i = \sqrt{-1} \quad \text{so} \quad \sqrt{-25} = 5i$$

2) i then works like a variable until it is squared3) when squared it becomes a number $i^2 = -1$

so, multiplying complex conjugates: $(a+bi)(a-bi) = a^2 + b^2$
 conjugates no more i