



## COMPLEX CONJUGATES AND MODULI

### Why

How do the modulus and conjugate of a complex number relate?

### Results

Recall that  $z = x + iy$  means that  $z^* = x - iy$  and so

$$z\bar{z} = (x + iy)(x - iy) = x^2 + y^2 = |z|^2.$$



