

10 Division of Complex Numbers:

We can divide a complex number by another complex number .

$$\frac{c_1}{c_2} = \frac{a + ib}{a' + ib'} = \frac{c_1 \bar{c}_2}{c_2 \bar{c}_2} = \left(\frac{aa' + bb'}{a'^2 + b'^2} \right) - \left(\frac{ab' + a'b}{a'^2 + b'^2} \right) i$$

type	$z21 = 3 - 5i$	
type	$z22 = 2 + 9i$	
type	$z23 = 4 - 7i$	
type	$z24 = 1/z21$	
type	$z25 = 1/z22$	
type	$z26 = 1/z23$	
type	$z27 = z21/z22$	
type	$z28 = z22 * conj(z22)$	
type	$z29 = z21 * conj(z22)$	
type	$z30 = z21 * conj(z22)/z22 * conj(z22)$	