

1 Representations of Complex Numbers–Table

Fill out the table above that asks you to do several simple complex number calculations in rectangular, polar, and exponential representations.

	Representation		
	Rectangular	Polar	Exponential
Z	$x + iy$	$r \cos \varphi + ir \sin \varphi$	$re^{i\varphi}$
Z^*			
$ZZ^* = z ^2$			
Z^2			