Worksheet 20: Start of field theory, adjoining elements to rings and fields	
1.	What have we defined the elements of $\mathbb{Z}[i]$ to be?
2.	We can construct $\mathbb{Z}[i]$ using the method of adjoining elements to rings just discussed. How would we go about doing it? Which element are we adjoining to which ring, and what quotient do we get that's isomorphic to $\mathbb{Z}[i]$?
	Check this box if you would like feedback \Box

Name:

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