Quiz 5

Student ID Number:	Name
Math 180B, 3PM Please justify all your answers Please also write your full name on the back	May 23, 2019
I lease also write your run name on the back	
1. Does $4 + 5i$ divide $14 + 3i$ in the ring $\mathbb{Z}[i]$?	
	that n can be written as a sum of two squares if are with even multiplicity. Hint: Recall that if x two squares then so is xy .

3. Bonus: Prove the converse to problem 2.