	Mathematics 500	
Quiz 8	Name: Key	
	You must show your work to get full credit.	
1. $\forall x \in \mathbb{R}, x^2 +$ English versio	n:	
tor e	very real number x, x2+3>1.	
	True or False?	
2. $\forall a \in \mathbb{R}, \exists x \in \text{English version}$		
For en	ery real number a those is a real number of	
er For	2x+1=a = uny real number a we can solve 1x+1=a +0-x	
	True or False?	
3. $\exists x \in \mathbb{R}, \forall a \in \mathbb{R}$ English version	n:	
Thore	is a real number of seach treat for all week	

such that for all a True or False? Fulse

numbers a 2x+1=a.

95 There is a real number y

2 15 a rolution to 22+1=a