EECS20n, Quiz 1, 1/29/03

The quiz is to provide feedback to you and to me about how well you've followed the material so far. It is primarily testing your familiarity with the notation. The quiz will take 15 minutes. Write your reponse on the sheet.

Please print your name and lab time here:

False

Last Name	First	Lab time	
Please indicate wheth so please consider you	_	e true or false . There will be no par	rtial credit,
1. For any set X, A	$X \subset P(X)$, where $P(X)$ denotes	otes the power set of X .	
2. $\forall x \in Reals \exists z$ True	\in Reals $x < z$.		
3. $\exists y \in Reals \ \forall x$	\in Reals $y < x$.		
 Consider a cont Reals]. True 	inuous-time function x where	$e \ \forall \ t \in \mathit{Reals}, \ x(t) = 2. \ \mathrm{Then} \ x \in$	[Reals ightarrow
	Reals and y : Integers \rightarrow Real. $ph(y) \subset graph(x)$.	s be functions such that $\forall n \in \mathit{Intege}$	$ers, y(n) \le$

- 6. There is a function $f \colon \{1,2\} \to \{a,b\}$ with $graph(f) = \{(1,a),(2,a)\}$. True
- 7. Given two functions $f: X \to Y$ and $g: X \to Y'$, if $Y \subset Y'$ then $graph(f) \subset graph(g)$. False