CS 173, Fall 2014 Examlet 13, Part B	NETID:	
FIRST:		LAST:
Discussion: Thursday	2 3 4	5 Friday 9 10 11 12 1 2
(15 points) Check the (single) box t	that best char	acterizes each item.
The set \mathbb{Q}^2 is	un	finite
Suppose A is a non-empty set. Then $\mathbb{P}(A)$ is larger than A .	tru	true false ee for finite sets
There exist mathematical functions that cannot be computed by any C program.	tru- not known	
The real numbers are countable.	no	true false t known
A piano tune is a finite sequence of found on the standard piano key The set of all piano tunes is	board.	finite

CS 173, Fall 2014 Examlet 13, Part B NETID:		
FIRST:	LAST:	
v	5 Friday 9 10 11 12 1	
(15 points) Check the (single) box that best check the	true $\sqrt{}$ false $\boxed{}$	
don't have a finite formula.	not known	
The rational numbers have the same cardinality as the integers. not known	rue	
The set of all full binary trees where each node contains one of the letters A, B, or C is	finite countably infinite incountable	
The set containing all functions f from the set of even integers to the set of even integers is	finite countably infinite uncountable	
If A is countably infinite, then $\mathbb{P}(A)$ is countably infinite	never	