## Math 10850, Honors Calculus 1

Quiz 5, Thursday October 10

## Name:

1.	Give the formal	definition	of a functio	n, and s	ay, in	terms of	this	definition,	what a	are the	e domain	and	the r	ange o	fa
	function.														

<sup>2.</sup> Let  $f(x) = \sqrt{x^3 - x}$ . Find the domain of f — and as you do so, please make clear the process that you are using. Write your final answer using interval notation (by which I mean (a, b],  $(c, \infty)$ , etc. You may need to express your final answer as a union of intervals, for example  $(-3, 0] \cup [2, 5]$ ).