## MA1971

Name:

Quiz 6

D Term, 2013

Show all work needed to reach your answers.

1. (10 points) Are the nonnegative real numbers,  $[0,\infty)$ , well-ordered? Please explain why or why not.

2. (10 points) Please explain why  $\mathbb{Q}$  (the set of rational numbers) is countable.