Math 3325 **PRINCIPLES OF MATH** Fall 2017
Dr. Duval **Homework 3**
due Thursday, September 28

1. Prove that for any $\epsilon > 0$ there exists a $\delta > 0$ such that: if x is a real number and $0 < x < \delta$, then $x^2 < \epsilon$.

2. Let β be a real number. Prove that if β^3 is irrational, then β is irrational.