MATH 150A-QUIZ 1, WINTER 2020

3.7	
Name:	

- 1. Consider following problems concerning bounded sets.
 - (1) (2 pts) State the definition of bounded Sets.
 - (2) (3 pts) Show that $S = (-1,1) \cup \{1,2,\ldots,10\}$ is bounded.

- $2.\ \,$ Consider following problems concerning convergence sequences.
 - (1) (2 pts) State the definition of convergent sequences.
 - (2) (3 pts) Show that if $\lim_{n\to\infty} a_n = L$, then $\lim_{n\to\infty} |a_n| = |L|$.