

MATH 150A-QUIZ 3, WINTER 2019

Name: _____

1. Do the following problems:

(1) (1 pt) State the definition of “limit points”.

(2) (1 pt) State the definition of the closure of a subset $S \subset \mathbb{R}$.

(3) (3 pts) Find the closure of the set $\left\{ \frac{(-1)^n n}{n+1}, n \in \mathbb{Z}_+ \right\}$.

2. Given an example of an unbounded set that has no limit points (3 pts). Explain why it has no limit point (2 pts).