

UNIVERSITY OF TORONTO
Faculty of Arts and Science
MAT237 Final Examination, April, 20**

Duration: 3 hours

Last name

First name

Student Number

No calculators or other aids are allowed.

There are a total of 2 questions, for a total of 100 points.

Each question is worth 50 points.

1. (50 pts)

True or False: A set S is compact if and only if it is closed and bounded.

2. (50 pts)

True or False: A set $S \subset \mathbb{R}^n$ is compact if and only if it is closed and bounded.