


Mathematics 2200H – Mathematical Reasoning
TRENT UNIVERSITY, Fall 2023
Assignment # π^2
Problem Solving Methods
Due on Monday, 13 November.*

Community Speaker Series
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The David Poole Lecture In Mathematics

STORIES, PUZZLES & PROBLEMS

Applying Computational Thinking Principles



RICHARD HOSHINO, Associate Teaching Professor at Northeastern University

November 10, 2023
4:00 p.m.
Otonabee College, Room 203

The core of the talk will be three math puzzles, all of which will be accessible to every person in the audience. In the process of solving these three puzzles, the four principles of Computational Thinking will be uncovered and discover how this "21st-century mindset" can enable us to tackle complex challenges with both confidence and impact.

trentu.ca/poolelecture

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If you attend this talk and are so inclined:

1. Write a brief (≤ 2 pages) report on the talk by Richard Hoshino, with mention of how its contents related to Polya's problem solving principles. [10]

NOTE: This is an extra assignment which would give you a larger pool from which the best ten are chosen to count towards the final mark. Also, note that $8 < \pi^2 \approx 9.8696 < 9$. :-)

* Please submit your solutions via Blackboard's Assignments module, preferably as a single pdf. If submission on Blackboard fails, please submit your solutions to the instructor on paper or via email to sbilaniuk@trentu.ca as soon as you can.