

Mathematics 1550H – Probability I: Introduction to Probability

TRENT UNIVERSITY, Summer 2023 (S62)

Quiz #7

Variance

Due just before midnight on Thursday, 13 July.*

Instructions: Do the following problem. Please show all your work.

1. Two fair standard dice are rolled together and the random variable X returns the sum of the two faces that come up on the roll. Find the expected value and variance of X .
[5]

* You should submit your solutions via Blackboard's Assignments module, preferably as a single pdf. If this fails, you may submit your work to the instructor on paper or by email to sbilaniuk@trentu.ca.