Problem of the Week

Week 2, due Jan 26th 11.59pm

NAME: _____

NAU Email:_____

Instructor:_____

Please write clean, neat and complete solutions to the problem in order to receive full credit. Your job is to convince me, or really anybody who reads this document, that you understand the problem and are able to communicate what you are thinking about. Please submit your solutions through Gradescope(https://www.gradescope.com/) by the indicated deadline. You might need to create an account with your NAU email. To enroll into the Problem of the Week course use entry code: NYZ56P. Good luck and have fun!

PROBLEM. Ole is a cross-country skier, trying to qualify for the upcoming 2026 Winter Olympics. After going 1 lap, he manages to maintain an average speed of 5 mi/h. How fast does he need to go the second lap, so that his average speed after two laps is 10 mi/h.