# Problem of the Week

Week 4, Due February 10, 11:59pm

NAME:_____

NAU Email:_____

Instructor:_____

Please write clean, neat and complete solutions to the problem in order to recieve 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. 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 in the Problem of the Week course use entry code: NYZ56P. Good luck and have fun!

---

PROBLEM. *Tunnel Vision*
A train travels at a constant speed through a 300 meter tunnel. It takes 20 seconds from the front of the train entering the tunnel to the rear of the train emerging from the tunnel. A lamp hanging from the ceiling of the tunnel remains over the train for exactly 5 seconds. How long is the train?