

Problem of the Week Week 11, Due November 1th 11:59pm NAME: _____

NAU Email: _____

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. 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. *The Circle from Omicron Persei 8*

What is the length of the radius of the circle in which a chord of length 6 is twice as far from the center of the circle as a chord of length 12.