

Week #2 Winter 2024



# Problem of the Week



Henry won a contest that entitles him to a free pizza every week for 10 years. Every Sunday at 6:00pm he receives another large pizza. Each pizza contains 10 slices. He heats one piece for lunch every day and stores the remainder in his freezer. His freezer can hold 15 pizzas worth of pizza. He plans to purchase an extra freezer to hold more pizza when he surpasses the space allowed in his current freezer. Once ordered, the freezer will take 2 days to get to Henry's house. On what day should Henry order his new freezer if he wants it to make it to his house in time to hold the extra pizza if he starts receiving pizza this Sunday 2/3/2024?

Undergraduates may submit solutions to the Mathematics Department office, 1150 FAB **or** by email to [mathpow@wayne.edu](mailto:mathpow@wayne.edu) by noon 2/6/2024. Include your name, ID number, and whether you have completed Math 2030 (or higher). For more information go to <https://clas.wayne.edu/math>. Solutions will be posted online and throughout the math department after the deadline.