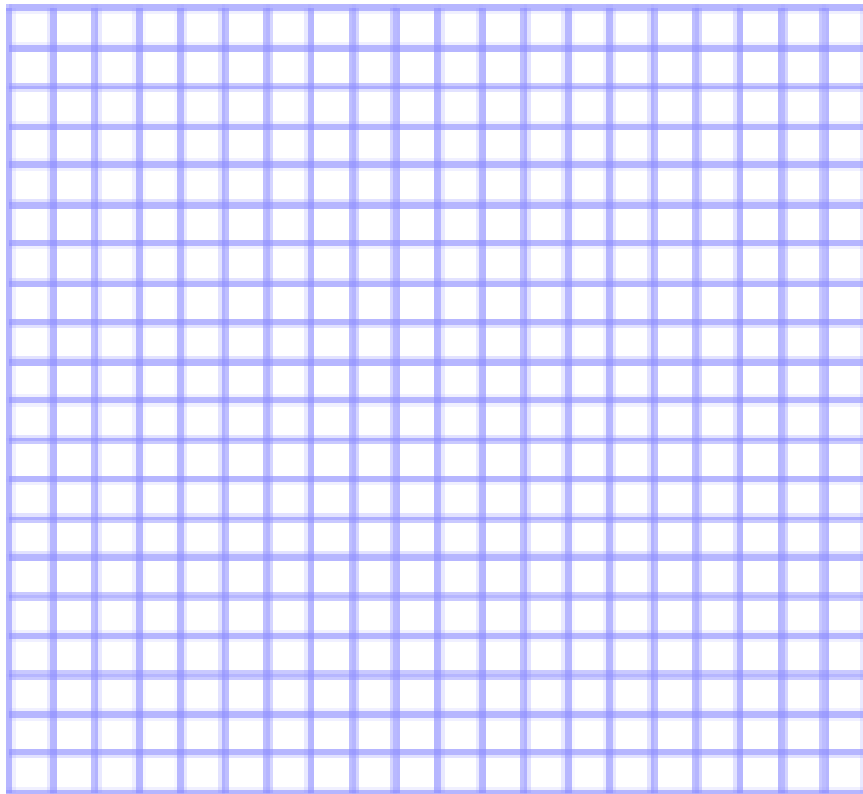


In this document you will be given data on the Men’s 10000 meter Speed Skating Event for the Olympics from 1932 until 2002. Your goal is to find a model of best fit for the data and use that model to make a prediction for the winning time in the 2010 Winter Olympics.

1. What type of model best fits your data? _____
2. What was the correlation value for your data? _____ Based on that value, will you assume your prediction to be accurate? _____
3. Predict the winning time for the race. _____
4. Graph the data by hand. Leave out any points that you think might cause your prediction to be less accurate. Write your own equation and make a prediction based on your model.



Equation _____ Prediction _____

5. How close is your prediction to the calculator’s? _____
6. Compare both predictions to the winning time on February 23, 2010.