Temperature Modeling

1. Go to weather.com and find average temperature data for a city of your choosing.

2. Enter the data into Desmos and find a sinusoidal function that will best model your data.

3. Compile the following information in a Word document:

* The name of your city
* A graph of your data (you may copy and paste from Desmos)
* The equation that models your data
* The answers to the following questions (in complete sentences):
	+ What is the average temperature of your city? What value illustrates this in your model?
	+ What is the period of your model? Why?
	+ By how much does your city’s temperature vary? What value illustrates this in your model?
	+ Based on this information, how would you feel about living in this city?