

City	North Latitude	Elevation (ft)	Maximum normal temp in Jan (in F)
Miami, FL	26°	7	75
Charleston, SC	33°	40	50
Washington, DC	39°	10	43
Boston, MA	42°	15	36
Portland, ME	44°	43	31

1. Use your GDC to draw a scatter plot of the latitude and temperature
2. Use your GDC to determine the equation for the line of best fit. Write it down rounding to the nearest hundredth.
3. If the latitude is 20, what do you expect the temperature to be in January?
4. If the temperature in January is 25F, what do you expect is the north latitude?
5. Use your GDC to draw a scatter plot of the latitude and elevation.
6. Use your GDC to find the equation for the line of best fit. Write it down rounding to the nearest hundredth.
7. Do you think a line best fits the data? Why or why not?