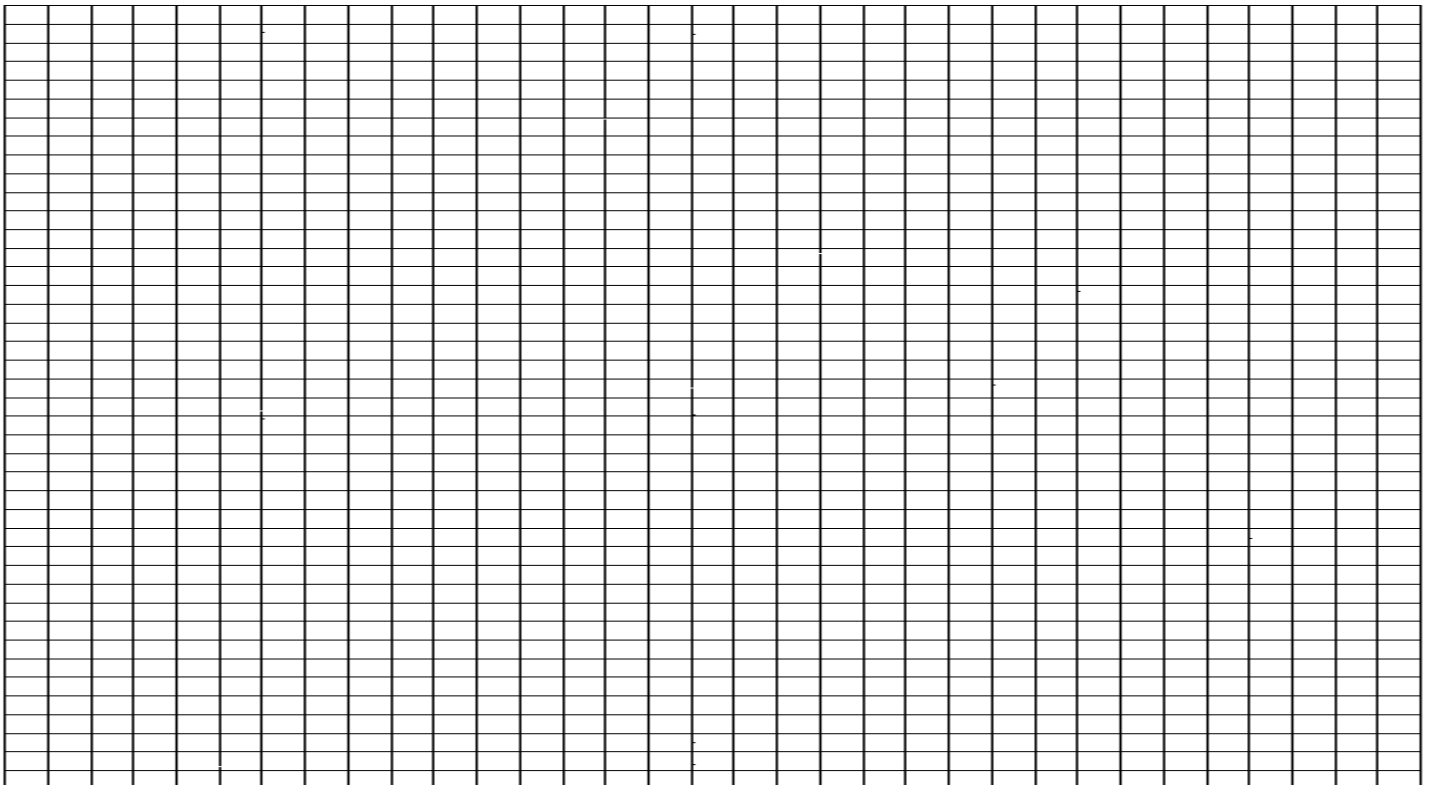**NAME:**_____

Graphing Practice Problem #2

The volume of a gas decreases as the temperature of the gas decreases. A sample of gas was collected at 100 degrees Celsius and then cooled down. The changes in the volume of the sample are shown below...
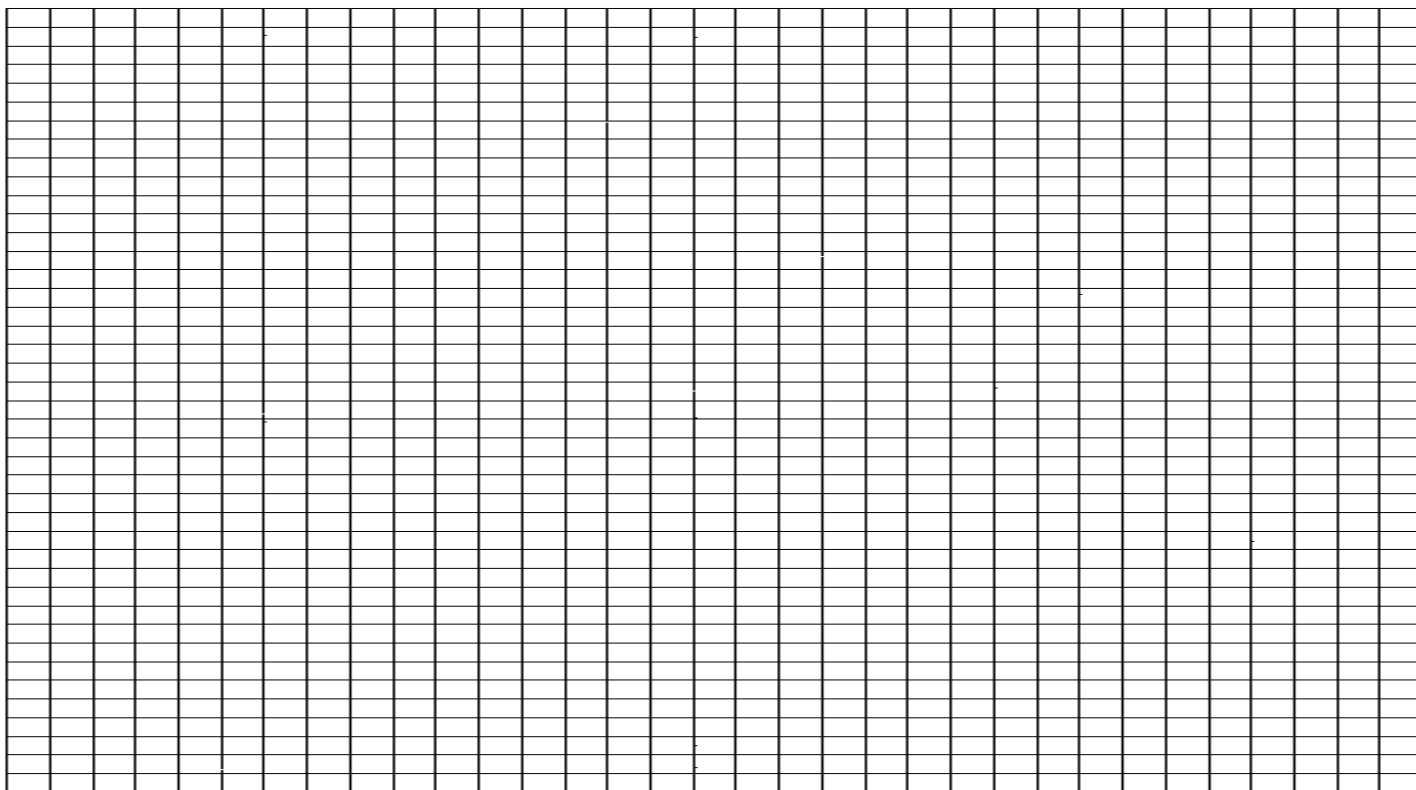
1.) Make a graph of the data (make sure independent variable is on the x – axis)
2.) Make a second graph which will allow you to extrapolate data to reach a gas volume of 0 ml.
3.) The temperature at which the volume of the gas reaches zero is the theoretical temperature of Absolute Zero. From this graph, what is the Celsius Temperature for Absolute Zero Volume?

Temperature (°C)	Volume (ml)
100	317
80	297
60	288
40	278
30	252
20	243
10	236
0	233
-10	227
-30	202

1.) Make a graph of the data

2.) Make a second graph which will allow you to extrapolate data to reach a gas volume of 0 ml.

3.) The temperature at which the volume of the gas reaches zero is the theoretical temperature of Absolute Zero. From this graph, what is the Celsius Temperature for Absolute Zero Volume?