

AME 20231
Homework 2
Due: Thursday, 25 January 2024, 9:00 AM, on CANVAS

1. 1.40.
2. 1.43, instead let $P_{atm} = 110$ kPa.
3. 1.59, instead assume the diver's depth be 12 m.
4. 1.76, instead let the air pressure over the water surface be 120 kPa.
5. Write and execute a program to list corresponding temperatures in °C, K, F and R from -100 °C to 100 °C in increments of 10 degrees. Use *any* language or application with which you are familiar (C, C++, MATLAB, Mathematica, Fortran, Python, VBA, Ada, Cobol, Pascal, Basic,...). Include your source code in your homework submission. Write your code so that it can handle an arbitrary temperature increment, not just a temperature increment of 10 degrees. This will likely require that you use a loop in your program. Paste a single computer-generated sample plot of your output to your homework. Be sure to label your axes and include units on your axes or legend as appropriate. Be sure that the plot is elegantly prepared.