CSE 160 Section 1 Problems

1. For each expression, write the resultant value and the data type of
    the value (for instance, Integer)

    a. 42
    b. 42 + 91 / 3.0
    c. 42 / 5 + 2.0
    d. True
    e. 42 < 45
    f. not 42 < 91
    g. "Carpe diem."
    h. float(3) < 9
    i. len("string") + 2.0

2. For each line, is this an expression, a statement, or neither:

    a. 50 + 2
    b. #some text
    c. weight = 98
    d. print(50 + 2)
    e. x = 200
    f. x == 200
    g. Hello + "there"
    h. print("4 + 5 =", 9)
    i. 'pressure = force / area'

4. (Preview for Friday) Make a temperature conversion chart, from Fahrenheit to Centigrade, for
these Fahrenheit values: 30, 40, 50. (Hint: cent = (fahr - 32) / 9.0 * 5) Your program output
should look something like this, with Farenheight first, then the Centigrade equivalent:

30 -1.11
40 4.44
50 10.0

Where can you spot repetition in your code? If the calculation for Centigrade was actually
cent = (fahr - 32) / 9.0 * 7 how many lines of your code would need to change?