

ENGINEERING H192
DAILY ASSIGNMENT B04

The following text is a C program. Evaluate **by hand** (or with calculator) the C expressions in the order listed below and write your answer in the space, and then write the value assigned to each variable when the program is run and the statements are executed. Compare your calculations with the results from running the program. Do not change your answers, but explain, where appropriate, why your results were different.

You will need to add a **printf** command for each statement so that you can see what the computer calculates. Ex: **printf(" w = %f\n",w);** for floating point numbers or **printf(" a = %d\n",a);** for integer numbers.

```
/* Name: Brutus Buckeye */
/* Date: MM/DD/YYYY */
/* Assignment: B04 */
/* Seat: XX Instructor: XYZ Hour: HH:30 */

#include <stdio.h>
#include <math.h>
int main ( )
{
    int a, b, c ;
    float w, x, y = 2, z ;

    int e = 8, f = 0.50, g = 1, h = 10.999 ;
    float q = 6, r = .75, s = 7, t = 9/4 ;

    w = g / e - 110 * f;          /* w = _____ */
    w += h;                      /* w = _____ */
    a = t + pow (g, q);          /* a = _____ */
    b = --w + t;                 /* b = _____ */
    x = h % e++;                 /* x = _____ */
    y = (e + w) * y;             /* y = _____ */
    c = (++s);                   /* c = _____ */
    z = r * s + h / e + q;       /* z = _____ */
    h = pow (h,2);               /* h = _____ */
}
```

Name _____ Instructor _____ Seat _____ Hour _____