

EE 1910

Dr. Johnson

Homework 8

1 – Identify the error in each function declaration.

20pts

void ave(char s, char t);

void wed(sat int, sun int);

foo2(char tire, float steer);

int fun1(int s, t);

int foo(float black, char white)

2 – Identify the error in each function call.

20pts

`fun2((char) a, b);`

`ave(float red, blue);`

`fri(mon , tue)`

`int foo(a, b);`

`tire(tire steer);`

3 – Identify the error in each function definition.

20pts

```
int foo(float x, int y){  
    x = x + y;  
    return x;  
}
```

```
void foo(int x){  
    int y;  
    ...  
    return y;  
}
```

```
int foo(int x, int y){  
    z = x + y;  
    return z;  
}
```

4 – Evaluate each of the following.

10pts

`fabs(-2.4)`

`floor(-6.3)`

`ceil(-19.99)`

`floor(pow(3.2, 2))`

`pow(floor(4.3), ceil(4.3))`

5 – Given the following program. What will be printed out for the answer if the user enters 41 as the input? 30pts

```
/*
 * hw6_1.c
 */
#include <stdio.h>

int fun1(int a);
int fun2(int a);
int fun3(int a);

int main(void){
    int a;
    int b;

    printf("Enter an integer: ");
    scanf("%d", &a);

    b = fun1(a);
    printf("answer is: %d",b);

    return 0;
}

int fun1(int b){
    int c;
    c = fun2(b) + fun3(b);
    return c;
}

int fun2(int d){
    return(d % 10);
}

int fun3(int e){
    int f;
    f = e/10;
    f = f % 10;
    return f;
}
```

