

HW 15

Functions

Name: _____ Time spent: _____ min

1) Identify the error in each function **declaration**.

15 pts

`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.

15 pts

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

`ave(float red, blue);`

`fri(mon , tue)`

`int foo(a, b);`

`tire(tires steer);`

3) Evaluate each of the following.

15 pts

`fabs(-2.4)`

`floor(-6.3)`

`ceil(-19.99)`

`floor(pow(3.2, 2))`

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

4) Given the following program. What will be printed out for the answer if the user enters **39** as the input? 55 pts

```
/*  
 * hw_fn_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;  
}
```

