

# HW 17

for / while

Name: \_\_\_\_\_ Time spent: \_\_\_\_\_ min

1) Provide the values after executing the following code snippets - each snippet is evaluated independently 50 pts

given:

```
int val = 2;
```

```
int j;
```

```
int k;
```

```
for(j = 0; j < 6; j++)  
    val = 2 * j;
```

val =

```
for(j = 0; j < 4; j++)  
    val += 5;
```

```
for(j = 3; j >= 0; j--)  
    val -= 5 - j;
```

```
for(j = 0; j < 5; j++)  
    for(k = 0; k < 5; k++)  
        val += 1;
```

```
for(j = 0; j < 5; j++)  
    for(k = 5; k > 0; k--)  
        val += j + k;
```

2) Provide the values after executing the following code snippets - each snippet is evaluated independently 50 pts

given:

```
int j = 0;  
int k = 0;  
int val = 2;
```

```
while(val){  
    j += 1;  
    val --;  
}
```

j =

```
while(j <= 5){  
    val++;  
    j++;  
}
```

val =

```
while(val = 2){  
    val++;  
    j++;  
}
```

val =

```
while(val + 2 < 5){  
    ++val;  
}
```

val =

```
j = 6;  
k = 0;  
while(j != k){  
    val += --j * k++;  
}
```

val =