

HW 14

If/Else

Name: _____ Time spent: _____ min

1) Provide the value of a,b,c after executing the following code snippets. 60 pts

evaluate each problem individually

with a = 3, b = 1, c = 5

if (a != 0)

b = 4;

else

c = 2;

a b c

--	--	--

with a = 3, b = 5, c = 3

if (c == 2)

b = 1;

else

a = 2;

--	--	--

with a = 5, b = 0, c = 3

if (a && b)

a = 3;

else

b = 2;

--	--	--

with a = 0, b = 0, c = 3

if (a || b || c)

b = 1;

else

c = 5;

a b c

--	--	--

with a = 0, b = 0, c = 1

if (a)

if (b)

c = 2;

else

c = 3;

else

c = 5;

--	--	--

with a = -4, b = 0, c = 2

if (a)

if (b)

c = 3;

else

c = 2;

--	--	--

2) Provide the value of a,b,c after executing the following code snippets. 40 pts

evaluate each problem individually

a b c

with a = 3, b = 0, c = 1

```
if (c == 0 || a && !b)
```

```
    if (!c)
```

```
        b = 1;
```

```
else
```

```
    a = 5;
```

with a = 0, b = 0, c = 5

```
if (c = b){
```

```
    b++;
```

```
    c--;
```

```
}
```

```
else
```

```
    --c;
```

a b c

with a = 4, b = 4, c = 2

```
if (c = b){
```

```
    b++;
```

```
    c--;
```

```
}
```

```
else
```

```
    --c;
```

with a = 0, b = 0, c = 5

```
if (c = a < c){
```

```
    a += 3;
```

```
    b -= 1;
```

```
}
```

```
else
```

```
    a = b++;
```