Wyo C++ Ch. 8 Worksheet #5 Name -

Evaluate the following code segments. Show the trace of the variables in the appropriate columns and show the output of each code segment in the rectangles provided.

1.

```
int i = 0;
int sum = 0;

for (i = 3; i <= 5; i++)
{
        sum += i;
}

cout << i << endl;
cout << sum << endl;
```

i sum

2.

```
int count = 0;
int sum = 0;

while (sum < 50 && count < 5)
{
        sum += count;
        count += 2;

        if (sum == 6)
        {
                continue;
        }

        cout << sum << endl;
}
```

count sum

3. Assume that the user inputs the values 7, 10, 15, and -99.

```
int sum = 0;
bool finishedYet = false;
int num = 0;

do
{
        cin >> num;

        if (num == -99)
        {
                break;
        }

        sum += num;
} while (num != -99);

cout << sum << endl;
```

sum num

4. On the back of this worksheet, rewrite the code segment in Exercise #3 to take advantage of the flag variable finishedYet and to avoid using a break statement.