Name:_____

Date:_____

Python - While Loop Practice

1. Write the output for each while loop in the right column:

Code	Output

``python
counter = 8
while counter > 0:
    print(counter)
    counter = counter - 2
``	

``python
counter = 1
while counter < 6:
    print("Hi!")
    counter = counter + 1
``	

``python
counter = 2
while counter < 50:
    print(counter)
    counter = counter*counter
``	

``python
counter = 2
while counter <= 6:
    print("-" * counter)
    counter = counter + 1
``	

``python
passby = False
total = 0
while passby == False:
    total = total + 2
    if total > 12:
        print("!!!")
    if total > 20:
        passby = True
``	

2. What is wrong with this code?

```python
counter = 10
while counter > 0:
    print("This is amazing!")
    counter = counter - 1
```

3. Tricky Question! What is the output? (from *Python for Kids* by Jason Briggs)

```
                                    x = 45
y = 80
while x < 50 and y < 100:
    x = x + 1
    y = y + 1
    print(x, y)
```

4. How do you make this loop stop?

```
flag = False
while flag == False:
    print("Enter a menu command:")
    menu = input()
    if menu == "P":
        print("Play game")
    elif menu == "H":
        print("High score")
    elif menu == "Q":
        print("Goodbye!")
        flag = True
    else:
        print("I did not understand.  Please try again!")
```

5. For the code in question 4, what happens when you enter "q"? How could you make it quit when "q" is entered?