

Answer 1:

```
1. Hello World - print hello world
2. Var
3. STO
4. x : .y + .z
5. x : .y + .y
6. 4
7. 18
8. 10
```

Answer 2:

- Pick a name for the memory location where the data is readable
- What function could be used to input variables
- Find a way to assign the value to a variable.
- What function can be used to take action to a positive number compared to a negative number

Answer 3:

- I would use Num as the input of numbers, sum as the total of numbers, and count as the number of positive numbers.
- The function "iread" can be used to input variables.
- To assign a value to a variable you would have to use ":" for example you "i : 1"
- You can use the "if" and "else" statements to determine how the console could print a result

Answer 4:

- We can first make known what variables are to be used in our case it's going to num, sum, and count, and set their value to 0.
- Then, create more variables with values placed into them (input).
- We then can make a loop statement that continues to loop, inputting in values until a negative appears and then it stops.
- As well as inside of that loop having if/else statements to determine if there are negatives and positives within the inputted numbers.
- Last have the count value go up 1 for each positive, and the sum goes up by whatever the input number was. "sum + num"

Answer 5: They both begin with fun int (){ }, and the that defines the function in this case is init. The fun declares the function while "init" is initializing the functions.

Answer 6: The functions used to get a user input can be the iread and spread function, the iread reads in integers while spread reads strings. I believe that the iread was more useful in this lab as we were using it to print out strings.

Answer 7: tranqc lab6.t was what I used to compile the file.

Answer 8: Originally, when compiling my code, there was an error in the closing curly brackets as there was an extra one. I also added comments using /**/, but I learned that was the wrong way to create comments within Tranquility.

Answer 9: In this step, I ran into a lot of issues of syntax errors when running ./ command and for it to run I had to change the function "fun int" to "fun init".

Answer 10: Using this step, I added a function that divides the sum by the count, which returns the average numbers used.