Study Guide Chapter 3

1.

A – What values it can have and what operations can be performed on it

B – Int and Float

C – type(foo)

2.

A – 5.0

B – 5

C – 0

D – 17

E – 17

F – 32

3.

A – (3 + 4) \* 5

B – n\*(n-1)/2

C – math.sqrt(b\*\*2 – 4 \* a \* c)

D – (y2 – y1) \* (x2- x1)

4.

A – This line of code creates white space to have more organization to the output of the code

B – Code injection attack

C – math.sqrt takes the square root of the following expression

D – math.sqrt is contained in the math library and needs to pulled from the math library in order to be used in the code.

E – Results in the attempt to square root a negative number which is not possible

6.

A – Accumulator loop uses a variable to count up to the number of times it wants to the loop to go through.

7.

A – 0,1,2,3

B – 4,5,6,7

C – 3,5,7,9,11

D – 12,10,8,6,4

8.

A – The program computes *n* to the third power and adds it to the variable *ans* *n* times.