**CSI 11** Homework 12 on paper

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

*Each problem is worth 4 points*

**1.** 2\*a – b > b\*\*3 evaluates as

**(a)** ((2\*a) - b) > (b\*\*3)

**(b)** ((2\*a) - (b > b)\*\*3

**(c)** (2\*(a - b)) > (b\*\*3)

**2.** Which *operator* is evaluated first in the conditional statement **not (a and b) or a** ?

**(a)** not **(b)** or **(c)** and

**3.** Which operator is evaluated first in the Boolean expression **(a – b)\*23 >= a+b**

**(a)** >= **(b)** + **(c)** - **(d)** \*

**4.** State the truth value of the expression below if x = True, y = False, and z = True

not x and not y or y and not z

**5.** I wrote a program that prompts the user for an integer, and then if the integer is at most 8, displays number 10, otherwise it should display number 20. See the code below: it has 4 syntax an logical errors. Fix it!

num = **int**(**input**(“Enter an integer value:”)

**if** num > 8

**print**(10)

**else**:

**print**(20)

**6.** What is the value of the variable **a** after the following statement is executed?

x = 15 **if** 13 <= 90 **else** x = 25

**Answer**: the value of x is