IB Computer S	cience	Name :_
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## Name :\_\_\_\_\_\_(3 points)

## Exam 1

1) Determine what	t each of the followin	g Python express	sions will return.	In other	words, if thes	e expressions	were
entered into the Pytho	on terminal, what we	ould they return	? (5 points each)	)			

a.

5/2

>>>>2

b.

5./2.

>>>>2.5

c.

5%3

>>>>2

d.

not(5>6) and (True or False)

>>>>true

e.

(5==4) or (not True)

>>>>false

a. for i in range(3): print i\*i print "hi" >>>>1,4,9 hi b. s=0 for x in [5,3,1]: s=s+x print s >>>>9 c. x=16 while x > 5: x=x/2print x >>>>4

d.

a=7

2) Write the output of the following programs. (8 points each)

```
if a%2==1:
    print "yoda"
else:
    print "do yoga"
```

>>>>yoda

a. Explain how to create a new git repository. Include all terminal commands and things you must do on github.
Assume your github user name is "Charlie" and your project is in a folder named "Project" in your Documents folder.
Name the repository "ProjRepo". زززز git config –global user.name "charlie" زززز git config –global user.email زززز
git init ¿¿¿¿ git add . ¿¿¿¿ git remote add origin https://github.com/charlie/project.git ¿¿¿¿ git push add origin
master
b. Explain how to clone a repository name "Awesome" from github user named "Barry22". Clone the repository
into your Documents folder. cd Documents/ git clone https://github.com/Barry22.git

3) The following questions are about Git. (10 points each)

4) Write a program that constructs an array filled with all of the prime numbers between 2 and 100. (20 points) ¿¿¿¿a[] for i in range(2,100): prime=True for x in range(2,i): if i

prime=False if prime: a=a+[i]