

CPSC 110 RAT Chapter 5

Name: _____

1. What is the point of an if statement?
 - a. To allow us to decide what code to run in different cases
 - b. To check if the program has finished or not
 - c. To repeat some code over and over again
 - d. To allow us to read input

2. How does Python know what lines of code are part of an if statement?
 - a. We have to mark each line that's part of it with a colon
 - b. It uses parenthesis to group the lines
 - c. It just guesses
 - d. If it's indented under the if statement, it is part of it

3. Which of the following is not a Python comparison operator?
 - a. !=
 - b. <=
 - c. ==
 - d. <>

4. What does a boolean type store?
 - a. A sequence of numbers
 - b. A single letter or symbol
 - c. Either a True or False value
 - d. A number which can't be negative

5. Which of the following is **not** a boolean operation?
 - a. and
 - b. not
 - c. or
 - d. join

6. What statement specifies what to do when an if condition is **not** true?

- a. else
- b. otherwise
- c. or
- d. not

7. Which of the following is **true** of a chain of if/elif/else statements?

- a. There can only be three total conditions
- b. Only one of the conditions will be done
- c. The conditions will all be done eventually
- d. The else part has to be first

8. What does the following program print?

```
x = 10

if x < 5:
    print("Thing 1")
print("Thing 2")
```

- a. Thing 1
- b. Thing 1
Thing 2
- c. Thing 2
Thing 1
- d. Thing 2

9. What does the following program print?

```
gpa = 3.2

if gpa > 3.5
    print("Awesome!")
elif gpa > 3:
    print("Great!")
elif gpa > 2:
    print("Good.")
else:
    print("Too bad.")
```

- a.
Awesome!
Great!
- b.
Great!
- c.
Great!
Good.
Too bad.
- d.
Too bad.

10. What does the following program print?

```
a = 10
b = 40

if a <= 12 and b <= 31:
    print("Yes")
else:
    print("No")
```

- a.
Yes
- b.
Yes
No
- c.
No
- d.
(nothing at all)