8/26: Week 1 Review Worksheet

CSE 302 - Data Structures

Name: **Total Correct:**

Q1. Which of the following is the correct syntax for defining a function in C++?			
a. function void myFunction(){	b. void myFunction(){	c. function myFunction(){	d. def myFunction(){

Q2. What is the output of the following code? `int x = 10; int y = 5; cout << x / y;`			
a. 2	b. 5	c. 10	d. 50

Q3. What is the purpose of a 'return' statement in a function?			
a. To end the program	b. To skip a loop iteration	c. To send a value back to the caller of the function	d. To display a output to the console

Q4. What will be the result of the following expression: `7 % 3`?			
a. 1	b. 2	c. 3	d. 0

Q5. What does the `++x` operator do in C++?			
a. Decrements `x` by 1	b. Increments `x` by 1 before using its value	c. Increments `x` by 1 after using its value	d. Multiplies `x` by 1

Q6. Which of the following is the correct way to declare an integer variable in C++?

a. `int number;`	b. `integer number;`	c. `num number;`	d. `variable number;`

Q7. What will be the output of the following code? `int x = 5; cout << x++;`			
a. 4	b. 5	c. 6	d. 7

Q8. Which operator is used to compare two values for equality in C++?			
a. =	b. ==	c. !=	d. <=

Q9. What will be the result of the expression: `10 + 2 * 3`?			
a. 26	b. 36	c. 12	d. 16

Q10. What is the output of the following code? `int x = 3; int y = 2; cout << x - y * 2;`			
a. -1	b. 2	c. 4	d. 7

Q11. Which operator is used to access a direct member of a structure in C++?			
a. =	b. &	c. *	d. .

Q12. What does the `&&` operator represent in C++?			
a. Logical OR	b. Bitwise XOR	c. Logical AND	d. Bitwise AND

Fill in the following chart: