Variables and Data Types Test 1

**Variable Declaration**

1. What is a variable?
2. List one rule that must be followed when declaring a variable.
3. What is the purpose of the // operator?
4. Which of the following is **not** a valid variable name?
5. num
6. num2
7. 1a
8. home\_runs
9. The largest number that can be stored in an **int** variable is?
10. 8
11. 1024
12. a little over 2 billion
13. infinite
14. Write a line of code that initializes a variable named **count** to a value of **50**.
15. How many of bytes of memory does a variable of type **double** occupy?
16. 2
17. 4
18. 6
19. 8
20. Write a line of code that initializes a variable named **cost** to a value of **25.50**.
21. Given the following variable declaration:

double price = 2.99;

Write a line of code that will display the contents of the variable **price** using the following

format: **The price of the item is 2.99**

1. Which data type can only contain a value of true or false?
2. int
3. double
4. boolean
5. char