Variables and Data Types Test 2

**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. size
6. free throw
7. a1
8. myGrade
9. The largest number that can be stored in an **int** variable is?
10. 1
11. a little over 2 billion
12. 2048
13. infinite
14. Write a line of code that initializes a variable named **length** to a value of **18**.
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 **width** to a value of **17.25**.
21. Given the following variable declaration:

double price = 5.75;

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

format: **item price = 5.75**

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