Java Module – Lesson 2A - Quiz 2A

Name ______________________________

1. A(an) _________________ is a type of data with a memory location that contains the memory location of a value.

2. Create an initialization statement assigning your name to an appropriate constant.

____________________________________________________________________________

3. The type of data that is a memory location containing a value is a(an) _________________

4. Is this identifier valid or not valid? (Circle one)
   If not valid, briefly explain. _________________

   &name

5. Is this identifier valid or not valid? (Circle one)
   If not valid, briefly explain. _________________

   time_of_day

6. Is this identifier valid or not valid? (Circle one)
   If not valid, briefly explain. _________________

   4You

7. If the absolute minimum value of an integer type of data is -9, and then 1 is subtracted from that value in a variable of that data type, what value does the variable contain now? __________

8. List the Java name of one of the two transcendental numbers contained in the Java language.

   ____________________

9. Circle any value listed below that is NOT a maximum value of a Java data type.

   127    128    32767    32768    2147483647    2147483648

10. In each blank shown, list the number of bits required to store each data type.

    byte    ____
    short   ____
    char    ____
    int     ____
    long    ____
    float   ____
    double  ____
Java Module – Lesson 2A – Quiz 2A – Key

1. object
2. final String name = "John";
3. primitive
4. Not Valid - cannot start with a symbol
5. Valid
6. Not Valid - cannot start with a digit
7. 8
8. Math.PI or Math.E
9. 128 32768 2147483648
10. byte 8
    short 16
    char 16
    int 32
    long 64
    float 32
    double 64