CS 2150 In-lab 4 worksheet

What is your name?
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What is your quest?
Inlab4.pdf
What is your favorite color?
9/25/13

Size of C++ data types

| C++ Type | Size in | Max value? | Zero is stored | One (or 1.0) is stored |
|--------------|---------|-----------------|----------------|-----------------------------------------|
| | bytes? | (base 10) | as (in hex)? | as (in hex)? |
| int | 4 | 2147483647 | 0x00000000 | 0x00000001 |
| | | | | |
| unsigned int | 4 | 4294967295 | 0x00000000 | 0x00000001 |
| CI . | 4 | 2.40202247 . 20 | 0.0000000 | 0 000 140 |
| float | 4 | 3.40282347e+38 | 0x00000000 | 0xffffe140 |
| double | 8 | 1.7976931348623 | 0x0000000000 | 0x3ff00000000000000 |
| double | | 157e+308 | 000000 | 0.0000000000000000000000000000000000000 |
| char | 1 | 255 | Char '0'= | Char '1'= 0x00000031 |
| | | | 0x00000030 | |
| bool | 1 | 1 | false = 0x00 | true = 0x11 |
| | | | | |
| C++ Type | Size in | Max value? | NULL is | |
| | bytes? | (base 10) | stored as? | |
| int* | 8 | 2147483647 | 0xb7edfff4 | |
| | | | | |
| char* | 8 | 255 | 0x804a030 | |
| | | | | |
| double* | 8 | 1.7976931348623 | 0x0 | |
| | | 157e+308 | | |

Primitive Arrays in C++

 $\&(IntArray2D[i][j]) = _0xIntArray2D[i][j]_____$