Homework 2

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1. Exercises (1-1) and (1-2)

    (a) The following definitions are valid because the constants are declared and instantiated correctly. This will compile and run without errors.

    (b) The declaration is not valid. It will produce a compiler error saying `invalid operands of types 'const char [6]' and 'const char [8]' to binary 'operator+'`

2. The associativity is from right to left. In this case, d would be assigned to c, which then c is assigned to b, which then b is assigned to a. This will produce a result of 3 3 3 3. The side effects of this is that the original values of a, b, and c do not matter; only the original value of d does, since that is what is assigned to each variable.

3. We can infer that it returns a double