**CS 3173 Assignment 3 12 points**

**chapter 3**

**Due 9/16**

**Email your homework to me at** [**harringp@nsuok.edu**](mailto:harringp@nsuok.edu)

**Problem Solving: Type your answers:**

1. Add the following binary numbers:

1 0 1 0

+ 1 0 0 1

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**1 0 0 1 1**

1. Add the following binary numbers:

1 0 1 0 1 0 0 1

+ 1 0 0 1 0 1 1 0

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**1 0 0 1 1 1 1 1 1**

1. What is the one’s complement of the following binary number? 1 0 1 0 1 0 0 1

**0 1 0 1 0 1 1 0**

1. What is the two’s complement of the following binary number? 1 0 1 0 1 0 0 1

**0 1 0 1 0 1 1 1**

1. Add the following hexadecimal numbers:

BA + AA = **164**

1. Add the following hexadecimal numbers:

ABCD + AA34 = **15601**