**COMP 1800 – Fall 2016**

**Classwork 1: Number Bases**

**(18 points)**

Number of People: Teams of up to 2. If you work with a teammate, only one submission is needed. Be sure to put both of your names on the paper. Feel free to ask me or Swaroop for help!

Due: Aug. 30, by the end of class

Submission: Turn in this assignment as a hard copy before the end of class; no electronic submission is necessary.

Grader: TA, Swaroop Goli ([ssgoli@memphis.edu](mailto:ssgoli@memphis.edu)). Questions about grading? Please contact him first!

Please show all work on these problems! Answers without work will be given minimal or no credit.

1. **(9 pts)** Convert the following numbers into base 10:
   1. (102)4
   2. (102)6
   3. (102)8
2. **(9 pts)** Convert (2016)10 into the following bases:
   1. 9
   2. 7
   3. 2