

# COSC 290 Fall 2017: Problem set 1

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Instructions: write out answers to these problems by hand and turn in your answers at the start of class. Be sure to write your name. If your answers span multiple pages, please staple the pages together. Unless otherwise specified, the problems refer to problems in the textbook.

If the problem requires work, please show yours.

1. 2.12
2. 2.13
3. Let  $x$  be your day of the month on which you were born. If  $x \bmod 2 = 0$ , then answer problem 2.43. If  $x \bmod 2 = 1$ , then answer problem 2.44. *This problem is probably the hardest. Feel free to complete it last.*
4. 2.61
5. 2.62
6. 2.75
7. 2.79. For this problem, please first *simplify* the expression, then compute the numerical answer.
8. 2.80
9. 2.86
10. 2.88
11. 2.89
12. 2.104
13. 2.105
14. 2.106
15. 2.107