

COSC 290 Fall 2017: Problem set 2

Prof. Michael Hay

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.

If you have not yet done so, **please join the Piazza group.** To do this, go to moodle and click on the Piazza link and follow the instructions.

1. 2.124 (Note: the formatting in the book is a little odd in that the description of the problem begins just above the actual question numbered 2.124)
2. 2.125
3. 2.126
4. 2.127
5. Write out the powerset of $\{a, b, c\}$.
6. Write out the set of all partitions of $\{a, b, c\}$.