18.05. Pset 1. Due Friday, Feb. 11.

From the textbook:

page 12: No. 9; page 18: No. 4, 12; page 27: No. 5, 7, 10; page 34: No. 6, 11, 16, 17.

(11) If you throw r white balls into n boxes, $r \geq n$, what is the number of distinguishable configurations in which no box remains empty?

(12) Given thirty people find the probability that among the twelve months there are six containing two birthdays and six containing three.