CS 109 Problem Set

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For each problem, briefly explain/justify how you obtained your answer. This will help us determine your understanding of the problem whether or not you got the correct answer. Moreover, in the event of an incorrect answer, we can still try to give you partial credit based on the explanation you provide. It is fine for your answers to include factorials, exponentials, or combinations; you don't need to calculate those all out to get a single numeric answer.

1.

   (a)

   (b)

   (c)

2.

    (a)

    (b)

    (c)

3.

    (a)

    (b)

    (c)

4.

    (a)

    (b)

    (c)

5.

    (a)

    (b)

    (c)

6.

    (a)

    (b)

    (c)

7.

    (a)

    (b)

    (c)

8.

    (a)

    (b)

    (c)

9.

    (a)

    (b)

    (c)

10.

(a)

(b)

(c)

11.

    (a)

    (b)

    (c)

12.

    (a)

    (b)

    (c)

13.

    (a)

    (b)

    (c)

14.

    (a)

    (b)

    (c)

15.

    (a)

    (b)

    (c)