Questions for the concluding discussion.

(1) What was you favorite topic? How would you follow up on it? *For example, topic — determinant processes; follow-up — other matrix ensembles (beside GUE) where eigenvalues make one.*
(2) What was you favorite homework problem?
    - What homework problem you tried but could not do?
    - What problem(s) would you add to the list?
(3) What would you consider as the three main theorems from the class? *Ginibre, Wigner, and Marchenko-Pastur look like obvious candidates.*
(4) What particular proof did you find interesting and would like to improve?
(5) Method of moments or the Stieltjes transform?
(6) What was an unexpected result that you learned in the class? *For example, the quarter circle law: does not seem to be discussed that often.*
(7) What were expecting to learn in this class but did not? *For example, applications to wireless communications or to number theory.*
(8) What unexpected connections between two or more math ideas were you able to make?
(9) What topic(s) would you present differently?
(10) Did you try to read any other (text) books on the topic? How did it go?
(11) If you were to write a research paper on the subject of the class, what would it be about?
(12) Free probability can potentially be used to create a parallel version of the classical probability theory. Does it make sense to do it? Are there any similar examples when a "parallel theory" can be developed by changing some fundamental definitions? *For example, non-linear expectations lead to yet another "parallel" theory of probability; fuzzy logic, with a smooth modification of the indicator function, can potentially lead to a "fully alternative" mathematics.*