The assignment consists of one problem from Chapter 1 and a bunch from Chapter 2:

Do problem 1.28 (page 53) using \texttt{sage}: figure out how to calculate \( \text{ord}_p(i) \) in \texttt{sage} and then zip through the calculations.

Problems 1.31; 1.32a–c (using \texttt{sage}); 1.33; 1.34; 2.4 (page 105), using \texttt{sage}—do all parts; 2.6 (OK to use \texttt{sage} for the “Can you figure out...”); 2.7; 2.8 (again, OK to use \texttt{sage}); 2.10; 2.17c (using \texttt{sage} as we did in class); 2.18c–e (OK to use \texttt{sage}); 2.19; 2.28c–d (using \texttt{sage} as we did in class).