Math 288X — Assignment 5

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Due 2023/10/23 3pm in class or by email

Recall that the \mathbb{C} -algebra of holomorphic modular forms of level 1 and even weight at least 4 is genreated by the Eisenstein series E_4 and E_6 .

- 1. Express $\sigma_7(n)$ as a linear combination of values of σ_3 .
- **2.** Write E_{12} in terms of E_4 and E_6 .