

Homework 4 (MAT 1739, CFT II)

Compare your answer for $\chi_0(q)$, $\chi_{\frac{1}{2}}(q)$ and $\chi_{\frac{1}{16}}(q)$ in the previous homework (the first several terms), with the characters $\chi_{M_{\Delta,c}}(q)$ of the Verma modules for $(\Delta, c) = (0, \frac{1}{2})$, $(\frac{1}{2}, \frac{1}{2})$ and $(\frac{1}{16}, \frac{1}{2})$. Explain the gap.