18.702 Quiz 1

Take this quiz any time on Friday, February 26.
You are required to do the quiz alone. You may consult the text, but no other source.

Let G be the group D_7 of symmetries of a regular 7-gon. It is generated by elements x, y with relatins $x^7 = 1$, $y^2 = 1$, $yx = x^{-1}y$. Determine the dimensions of the irreducible characters of G.