Attendance Quiz for Lecture 17

NAME: (print!) _____

E-MAIL ADDRESS: (print!) _____

1. What are the chromatic polynomials (in the variable k) of (i) K_n (ii) C_n (iii) W_n

2. Prove that the number of ways to color a simple graph G with k colors is always a **polynomial** in k, that of course depends on G.