QUIZ 14

1. (5 points) Find the Taylor series expansion for the function $f(x) = x^5 - 5x^2 + 7x - 1$ centered about $a = -1$. (Be sure to state the Taylor series expansion formula.)

2. (5 points)   Use the Maclaurin series expansion for $\cos x$ to find the power series for $\cos x^4$ centered about $a = 0$. (Be sure to write out at least the first 4 non-zero terms of the power series.)