1. Find all critical point, and all local maxes and mins of the function
\( f(x) = x^4 - 8x^3 + 18x^2 - 4 \).

2. Suppose \( g'(x) = x + 3 \). What can you say about \( g(x) \)? Explain why, referring specifically to a theorem, corollary, or lemma from class.