Group Work 7: Finding a Derivative

\[ f(x) = \frac{\sqrt[3]{x}}{4} + \frac{7}{11x^4} \]

(A) Rewrite \( f(x) \) as a sum of constants times power functions.

(B) Find \( f'(x) \).

- Use the techniques of Section 2.3. (That is, DO NOT use the Definition of the Derivative.)
- Show all details clearly and use correct notation.
- Simplify your final answer, and rewrite it so that it does not have any negative exponents.