Partial Example

Use the Leading Coefficient Test to determine the end behavior of the graphs of the given polynomial function. Use this end behavior to match the polynomial function with its graph. (Graphs are not to scale.)

\[ f(x) = -8x^3 - 12x^2 - 6x - 1 \]

**ANSWER:** [C]

The degree of \( f \) is 3, which is an odd number, and the leading coefficient is \(-8\), which is negative. Then the Leading Coefficient Test says that the graph of \( f \) rises left and falls right. This is choice C.