Graphing Polynomials Homework

Directions: Be sure to show all work, communicate your thought process, and justify your reasoning. Remember to check that your answers are complete, correct, and reasonable.

✍ **SKETCH A GRAPH OF EACH POLYNOMIAL. BE SURE TO IDENTIFY THE IMPORTANT COMPONENTS OF THE GRAPH BEFORE DOING SO, AS WE DID IN CLASS.**

1. $y = -2x^3 - 5x^2 + 7x - 6x^2 - 15x + 21$

2. $f(x) = 9x^4 - 37x^2 + 4$