In the first three problems:

- Find the intervals where the function is increasing or decreasing
- Find all local maximums and minimums
- Graph the function using this information

1. \( f(x) = 5 - 2x - x^2 \)
2. \( f(x) = x^4 + 2x^3 \)
3. \( f(x) = \frac{x^3}{3} \)
4. Find the absolute maximum and the absolute minimum of the function \( f(x) = e^{-3x^2} \) on the interval \([-2, 1]\).