

Name: _____ Section: _____

Problem 1. Use your graphing calculator to graph the function $f(x) = x^3 - 2x - x - 1$. Find each of the following, to 2 decimal places. (6 points.)

- (a) x -intercept
- (b) decreasing interval

Problem 2. Given the graph of the function $f(x) = x^3 - 2x^2 - x - 1$ above, sketch the graph of $g(x) = f(-x)$. (4 points.)