

**Name:**

[1 pt]

**Problem 1.** Find the absolute maximum and minimum values of the function  $g(t) = (t^2 - 4)^3$  on the interval  $[-2, 3]$ . [5 pts]

**Problem 2.** Find the local maximum and minimum values of the function  $f(x) = x^4 - 2x^2 + 3$ . [5 pts]