QUIZ 5 - MATH 112	Friday, October 18
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Read each problem **very carefully** before starting to solve it. Each problem is worth 5 points. It is necessary to show **all** your work. Correct answers without explanations are worth 0 points. GOOD LUCK!!

1. Consider the continuous function $f(x) = x^3(4-x)$ on the closed interval [-1,4]. Find its absolute maximum and its absolute minimum on [-1,4].

2. Gigi's® truck rental calculates that the price function is p(x) = 240 - 3x, where p is the price in dollars at which exactly x trucks will be rented (per day). How many trucks should the company rent and at which price in order to maximize revenue?