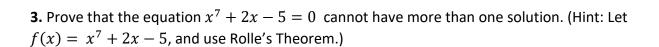
Math 241 Worksheet 9 (two-sided)

Name:	Section (circle one):	2	3
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1. Find the critical points of $f(x) = x^{2/5}(x-7)$.

2. Using the technique from the Extreme Value Theorem for a continuous function on a closed finite interval (compare function values at critical points and end points), find the absolute extrema for the function $f(x) = x^2 - 4x$ on domain $0 \le x \le 3$.



4. Find the intervals of increasing/decreasing and local extrema of the function $f(x) = x^3 - 6x^2$. (Find the critical points and then make a 1st derivative diagram.)