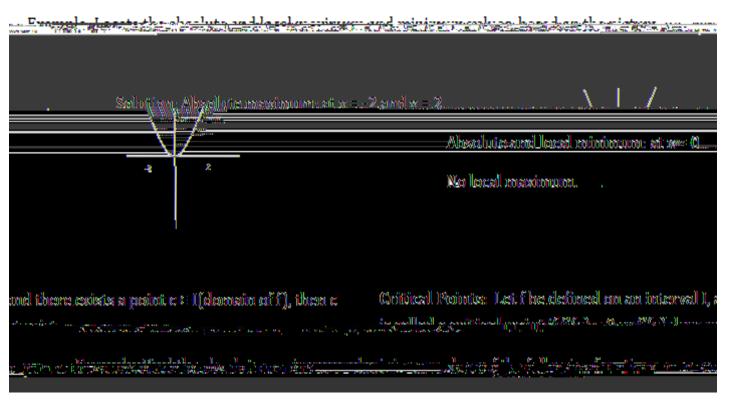
MAXIMA AND MINIMA







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n the interval [-1,2]

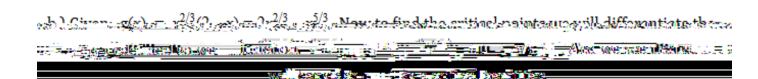
b.)
$$g(x) = x^{2/3}(\tilde{2} - x)$$
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Solution:

olynomial, thus it's derivative evists everywhere. Now let's find the critical, a) We know that f is a n

cal points: x = 0 and x = 3/2 and both of these points are. Solving this equation gives us two critically discuss the solution of these points are a solving this equation gives us two critically discussed and the solution of the solu



:: x = 0 and $x = \frac{4}{5}$. Now we will So, $\sigma'(x) = 0 \Rightarrow 4 = 5x = 0 \Rightarrow x = \frac{4}{5}$. Thus we have two critical points check the values of the furtilization as we brick the values of the furtilization as we brick the

Thus we see that the function attains the ud x = 2.

d absolute minimum of g on [-1,2] is 0.

g(-1) = 3, g(0) = 0, g(4/5) = 1.03 and g(2) = 0. largest value at x = -1 and the smallest at x = 0 ar

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Therefore, absolute maximum of g on [-1,2] is 3 and

