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Example Find obs max and min? $f(x) = x^3 - 3x^2 + 1$, x in $[-\frac{1}{2}, 4]$ Solution f is continuous on $[-\frac{1}{2}, 4]$. $f'(x) = 3x^2 - 6x = 0 = 0$ $x^2 - 2x = 0$ x(x-2) = 0X=0 or x=1 \$(0) = \$ \$(2) = -3 \$(-\frac{1}{2}) = \frac{1}{3} Answer: Als max value is f(h)=17 8(4)=17 Abs win value 13 f(2)=-3.