3.4 continued **P. 241**

Second Derivative Test

test to determine the relative extrema of a function using the second derivative

FYI: Stationary point - a point on the graph of a function where the derivative is equal to zero. The name comes from this idea because the function is stationary (not increasing or decreasing).

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ex: $f(x)= -3x^5+5x^3$ Find local min/max using f " test

You try

37. $f(x) = x^3 - 3x^2 + 3$

Assignment: P. 242 #35, 39-45 odd
(and additional work if assigned in class)