

Before Class

- These videos introduce the idea of using the derivative to find maximum and minimum values from a function.
  - Definitions:  
[https://www.khanacademy.org/math/calculus/derivative\\_applications/critical\\_points\\_graphing/v/minima-maxima-and-critical-points](https://www.khanacademy.org/math/calculus/derivative_applications/critical_points_graphing/v/minima-maxima-and-critical-points)
  - Using Derivatives:  
[https://www.khanacademy.org/math/calculus/derivative\\_applications/critical\\_points\\_graphing/v/testing-critical-points-for-local-extrema](https://www.khanacademy.org/math/calculus/derivative_applications/critical_points_graphing/v/testing-critical-points-for-local-extrema)
  - Example:  
[https://www.khanacademy.org/math/calculus/derivative\\_applications/critical\\_points\\_graphing/v/identifying-minima-and-maxima-for-x-3-12x-5](https://www.khanacademy.org/math/calculus/derivative_applications/critical_points_graphing/v/identifying-minima-and-maxima-for-x-3-12x-5)
- p. 211, # 1

During Class

- p. 211, # 4, 10, 25, 30, 82