

MATH 150

Today

1. WeBWorK
2. 3.4: Optimization
3. Homefun

Goals:

1. Use calculus techniques to optimize (Understand how to apply the first and second derivatives to solving applied optimization problems)

Where is today's material used?

1. Any discipline in which phenomena can be modeled mathematically and extrema are sought. (Physics, chemistry, economics, ...)

3.4 Optimization

1. Process for optimization (check critical points and endpoints for extrema).
2. Examples. p. 269: 12, 14, 16, 19, 24, 34, 47, 50, 52, 55, 56

Next Time

1. Watch 3.5: Related Rates [14 min]