

Calc 12 Chp 4.1-4.3 Review

Calculus is the study of changes, usually over time!
 Everything in the universe is constantly changing!

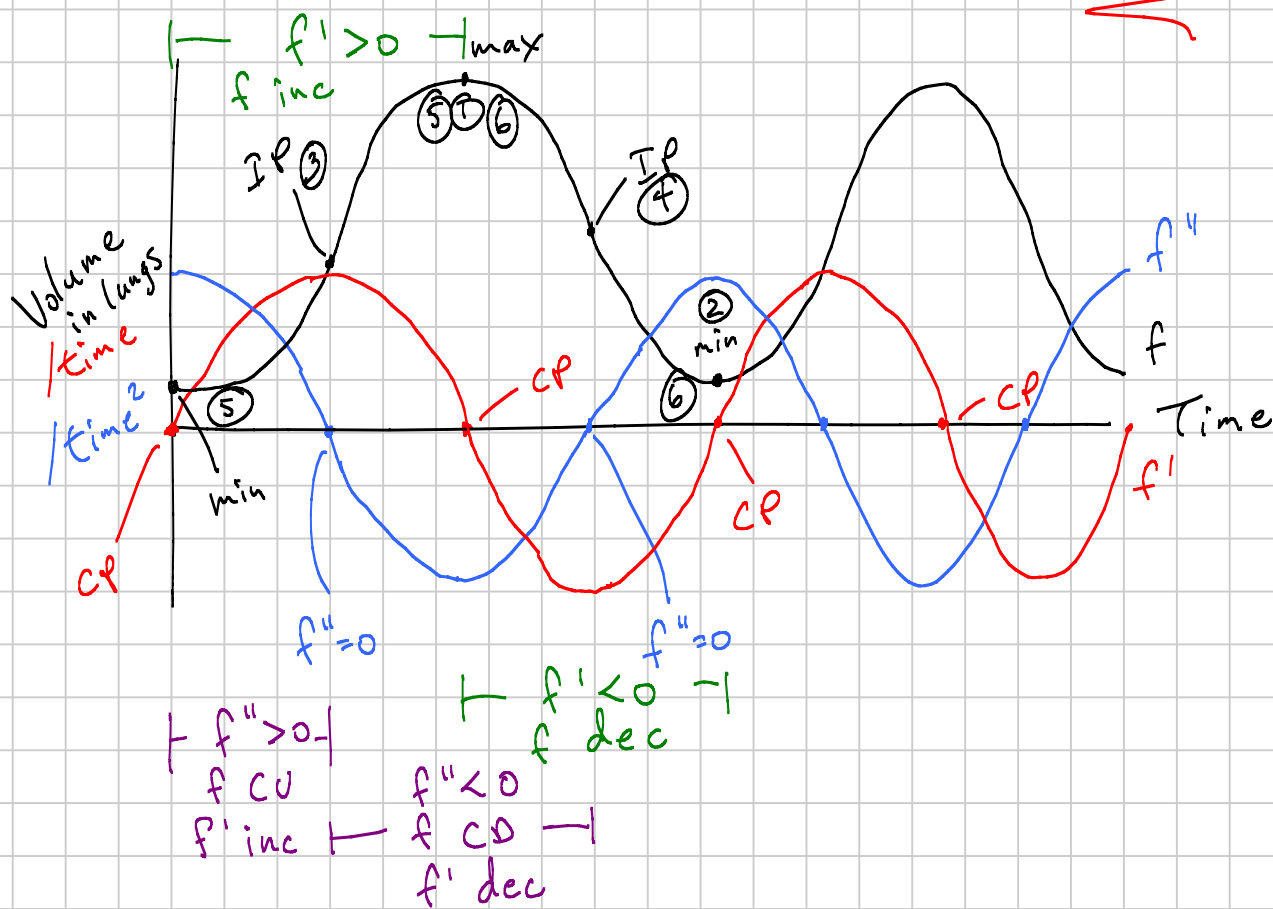
eg) Graph Breathing

When do we have the most air in the lungs? ①
 " " " least " " ? ②

When are we breathing in the fastest? ③
 " " " out " " ? ④

When are we breathing in the slowest? ⑤
 " " " out " " ? ⑥

Is this polynomial / exponential / trigonometric?



Recall slope/derivative matches the slope of the tangent line at the point of the derivative.