

Don Bosco Technical Institute

AP Physics C Prep

Day 7: Finding Extrema Using the First Derivative Test



Learning Goals

- By the end of this lesson, you should be able to...
 - Given the graph of a function, identify
 - Critical numbers and critical points
 - Intervals of increasing and decreasing behavior
 - Local extrema
 - Global extrema
 - Find the extrema of a function using the first derivative test



Handouts

- Before viewing the playlist, review the handout "Vocabulary for Day 7.pdf"



Up Next...

- 11 videos by Khan Academy, The Infinite Looper, patrickJMT, Hector Villaseñor, integralCALC, and Joseph McRae
 - <https://youtu.be/DY9jCFaRd4>
 - <https://youtu.be/G-l4dKclQsc>
 - <https://youtu.be/oEgmoUUy9sY>
 - <https://youtu.be/BkVfHsI6Di4>
 - <https://youtu.be/aJuJOB6NTuc>
 - <https://youtu.be/BgcrTe2mOz8>
 - <https://youtu.be/DrcSAMobAl>
 - <https://youtu.be/RwXkCW6XLwY>
 - <https://youtu.be/xNjlgXNpzjo>
 - https://youtu.be/Jb_QkoO5ao
 - <https://youtu.be/6sokSp5k1SA>
- These videos will play automatically if you are using the AP Physics C Prep Day 7v2 playlist

