Mathematics Class Slides

Bronx Early College Academy

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5 November 2018

GQ: How does a function's graph relate to its derivatives?

CCSS: HSF.IF.B.4 Interpret key features of functions and their graphs 4b.1

Wednesday Dec 5

Do Now: Differential calculus

1. Take the 1st & 2nd derivatives of $f(x) = x^3 - 6x^2 + 8x$.
2. Sketch the function.
   Challenge: Identify key features, graphically & algebraically.

Lesson: Function graphs, extrema, the 1st & 2nd derivative tests
p. 233- 240

Homework: Textbook exercises 7T p. 239