Mathematics Class Slides
Bronx Early College Academy

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5 December 2018

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

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

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

Do Now: Vector review, handout

Lesson: 7.7 Function graphs, extrema at endpoints p. 240-244
Graphing exercises 7U p. 240

Homework: Textbook exercises 7V & 7W p. 242-4