BECA / Dr. Huson / 12.1 IB Math SL - Unit 4

Mathematics Class Slides Bronx Early College Academy

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BECA / Dr. Huson / 12.1 IB Math SL - Unit 4

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

CCSS: HSF.IF.B.4 Interpret features of functions and their graphs 4b.1 Wednesday Dec 5

Do Now: Differential calculus

- 1. Take the 1st & 2nd derivatives of $f(x) = x^3 6x^2 + 8x$.
- 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

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

CCSS: HSF.IF.B.4 Interpret features of functions and their graphs 4b.2 Thursday Dec 6

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