

Mathematics Class Slides

Bronx Early College Academy

Chris Huson

19 November - 30 November 2018

4.1 Drui: Exponent rules, Monday Nov 19

4.2 Drui: Laptop, Deltamath, Desmos /Word. Tuesday Nov 20

4.3 Drui: Exponential functions, Wednesday Nov 21

4.4 Drui: Intro to logarithms, Monday Nov 26

4.5 Drui: Laptop, Deltamath, Desmos Tuesday Nov 27

4.6 Drui: Logarithmic functions, Wednesday Nov 28

4.7 Drui: Logarithm bases, Thursday Nov 29

4.8 Drui: Laws of logarithms, Monday Dec 3

GQ: How do we manipulate exponential expressions?

CCSS: HSF.IF.C.7 Analyze functions

4.1 Monday Nov 19

Do Now: Skills check p. 100

Review Exam

Exponent operations p. 100-104

Homework: Exercises 4A p. 104

How do we communicate mathematical results?

CCSS: MP.4 Model with mathematics

4.2 Tuesday Nov 13

Technical skills needed to communicate mathematics

1. Word processing: Microsoft Word and equation editor
2. Computer calculators: Desmos; domain restriction, labeling
3. Cloud storage: Dropbox
4. Technical writing standards: MLA format (Purdue OWL)
5. Writing style: declarative
6. Assessment criteria: IB exploration criterion *B: Mathematics Presentation*

Deltamath exponential practice. Homework: complete Deltamath
Makeup: Rewrite Quadratics paper, using model as guide

GQ: How do we understand exponential functions?

CCSS: HSF.IF.C.7 Analyze functions

4.3 Wednesday Nov 21

Do Now: Exercise #4C p. 107

Solving exponent equations #4D p. 108

Exponential functions, p. 109-114

Homework: Exercises 4F p. 114 (review 4B-4E)

GQ: How do we define logarithms?

CCSS: HSF.IF.C.7 Analyze functions

4.4 Monday Nov 26

Do Now: Exponent exercises handout

Review exponential function transformation homework #4G p. 114

Compound interest exploration p. 111

Properties of logarithms, p. 115-6

Homework: Exercises 4G, 4H p. 115-6

Parent-teacher conferences Thursday & Friday

How do we work with logarithms?

CCSS: MP.4 Model with mathematics

4.5 Tuesday Nov 27

Technical skills needed to communicate mathematics

1. Word processing: Microsoft Word and equation editor
2. Computer calculators: Desmos; domain restriction, labeling
3. Cloud storage: Dropbox
4. Technical writing standards: MLA format (Purdue OWL)
5. Writing style: declarative
6. Assessment criteria: IB exploration criterion *B: Mathematics Presentation*

Deltamath exponents & logarithm practice.

Homework: complete Deltamath

Parent-teacher conferences Thursday & Friday

GQ: How do we understand logarithmic functions?

CCSS: HSF.IF.C.7 Analyze functions

4.6 Wednesday Nov 28

Do Now: Exponent exercises handout

Review exponential function transformation homework 4G, 4H p.
115-6

Logarithmic functions, p. 118-9

Homework: Exercises 4J p. 119

Parent-teacher conferences tomorrow & Friday

GQ: How do we use different logarithm bases?

CCSS: HSF.IF.C.7 Analyze functions

4.7 Thursday Nov 29

Do Now: Logarithm exercises handout

Logarithmic functions, p. 119-122

Homework: Exercises 4K, 4L p. 120-122; weekend packet

Parent-teacher conferences today & tomorrow

GQ: How do we manipulate logarithmic expressions?

CCSS: HSF.IF.C.7 Analyze functions

4.8 Monday Dec 3

Do Now: Logarithm exercises handout

Logarithmic expressions & equations, p. 122-124

Homework: Exercises 4M p. 124