Mathematics Class Slides

Bronx Early College Academy

Chris Huson

25 November 2019

6.1 Intro to the coordinate plane and linear functions, 25 November

6.2 Laptop practice - Geogebra graphing functions on coordinate plane, 26 November

6.3 Coordinate geometry practice, 25 November

GQ: How do we plot lines on the coordinate plane?

CCSS: HSG.CO.A.1 Know precise geometric definitions 6.1 Monday 25 Nov

Do Now: Plotting points and lines

1. Modeling geometric situations with an algebraic equation
2. Slope-intercept form of linear equations
3. Dilation of a line centered at the origin

Review exam results
Lesson: Perpendicular and parallel slopes

Homework: Test corrections due tomorrow

GQ: How do we communicate examples of dilations?

CCSS: HSG.CO.A.1 Know precise geometric definitions 6.2 Tuesday 26 Nov

Do Now Quiz: Deltamath dilation calculations

Project: Examples of dilation on the coordinate plane

1. Use Geogebra & MS Word to write a 1+ page paper
2. The Geogebra *Graphing Calculator* works with *x*-*y* coordinates
3. Include the following graphs
   - 3.1 A triangle in standard position dilated centered at the origin
   - 3.2 A polygon dilated with a center not on the origin
   - 3.3 A line and its image after a dilation centered at the origin
     Spicy: State the equations of the two lines
4. Use the equation editor and captions. Follow MLA.
5. Email pdf and MS Word .docx files, with the subject line Dilation assignment

10.1 meets in Room 414 first period (advisory schedule)

GQ: How do we plot lines on the coordinate plane?

CCSS: HSG.CO.A.1 Know precise geometric definitions 6.3 Wednesday 27 Nov

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