

Mathematics Class Slides

Bronx Early College Academy

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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, 27 November

6.4 Coordinate geometry practice, Monday 2 December

6.5 Laptop practice - Geogebra distance and the Pythagorean theorem, 3 December

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 work on the coordinate plane?

CCSS: HSG.CO.A.1 Know precise geometric definitions

6.2 Tuesday 26 Nov

Do Now: Deltamath practice

1. Graphing linear equations
2. Perpendicular and parallel slopes
3. Function and algebraic manipulations

10.1 meets in Room 414 first period tomorrow (advisory schedule)

Homework: Complete Deltamath homework section

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

CCSS: HSG.CO.A.1 Know precise geometric definitions

6.3 Wednesday 27 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 plot lines on the coordinate plane?

CCSS: HSG.CO.A.1 Know precise geometric definitions

6.4 Monday 2 Dec

Do Now: Plotting, measuring, and translating on the x - y plane

1. Measure horizontal and vertical distances
2. Measure diagonal distances
3. Parabolas, quadratic functions, & function translation

Lesson: the distance formula (Pythagorean theorem)

Review perpendicular and parallel slopes

Homework: Khan Academy distance practice

GQ: How do we calculate distance given coordinates?

CCSS: HSG.CO.A.1 Know precise geometric definitions

6.5 Tuesday 3 Dec

Do Now: Project paper in Word using Geogebra

1. Measure horizontal and vertical distances
2. Measure diagonal distances
3. Parabolas, quadratic functions, & function translation

Lesson: Drawing perpendicular figures in Geogebra

Homework: Complete Khan Academy homework section