Mathematics Class Slides

Bronx Early College Academy

Chris Huson

9 March 2020

10.1 Tangent applications, Monday 9 March

10.2 Exam review, Gradescope intro; Tuesday 10 March

10.3 Tangent situations, ladders, Wednesday 11 March

10.4 Tangent situations, ladders, Thursday 12 March

GQ: How do we apply trig functions to solve problems?

CCSS: HSG.CO.B6-8 Understand congruence in terms of rigid motions 10.1 Monday 9 March

Do Now: Transformations

- Rigid motions: translation, reflection, rotation
- Corresponding angles and lengths
- Symmetry in terms of transformations "onto" itself
- Using the properties of rigid motions in explanations

Lesson: Point-slope linear equation format
Tangent review, segment dilation

Homework: Trig Deltamath practice

GQ: How do we learn from exam results using Gradescope?

CCSS: HSG.CO.B6-8 Understand congruence in terms of rigid motions 10.2 Tuesday 10 March

Do Now: Algebra mastery practice on Deltamath

- Circle equations (use Casio calculator)
- Linear equations of parallel & perpendicular lines

Lesson: Setting up and using Gradescope exam scoring system
Test corrections due at the end of class (classwork credit)

Homework: Complete DoNow Deltamath problems (due 10PM)

GQ: How do we solve a triangle given an angle measure?

CCSS: HSG.CO.B6-8 Understand congruence in terms of rigid motions 10.3 Wednesday 11 March

Do Now: Rigid motions, translation, reflection, rotation

- Perpendicular and parallel slopes
- Circle equations
- Point-slope form of linear equations
- Reflection vs rotation

Lesson: Diagraming ladder problems, using the tangent function
Homework: Complete transformations practice handout

GQ: How do we solve a triangle given an angle measure?

CCSS: HSG.CO.B6-8 Understand congruence in terms of rigid motions 10.4 Thursday 12 March

Do Now: Rigid motions, translation, reflection, rotation

- Tangent calculations
- Compositions of transformations
- Reflection vs rotation

Lesson: Diagraming ladder problems, using the tangent function
Homework: Complete transformations practice handout