Mathematics Class Slides
Bronx Early College Academy

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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

10.5 Deltamath trig practice, Friday 13 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

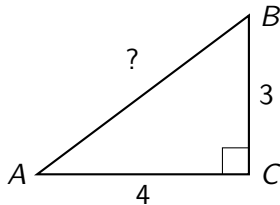Lesson: Diagraming ladder problems, using the tangent function
Homework: Complete transformations practice handout

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

CCSS: HSG.CO.B6-8 Understand congruence in terms of rigid motions   10.5 Friday 13 March

Do Now: Right triangle trigonometry

▶ Find AB

▶ Find $\tan A$

▶ Find $\tan B$

▶ Find $m\angle A$

Classwork: Deltamath trigonometry practice
Homework: Complete trig practice on Deltamath