

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

10.5 Deltamath trig practice, Friday 13 March

10.6 Deltamath trig practice, Monday 16 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

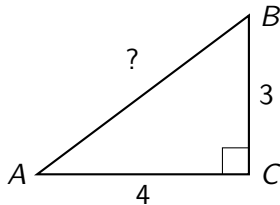
Homework: Complete transformations practice handout

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

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

CCSS: HSG.CO.B6-8 Understand congruence in terms of rigid motions 10.6 Monday 16 March

Do Now: Welcome to Beca Online!

- ▶ Check your notebook to make sure you have my email, husonbeca@gmail.com
- ▶ Take out your calculator (you brought it home, right?)
- ▶ Turn to your notes from Friday. The problem set is very similar to what we did in class last week.

Classwork: Complete problem set 10.6 & email a picture of it to me

Homework: Deltamath trigonometry practice, due by 10:00pm