Mathematics Class Slides
Bronx Early College Academy

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24 February 2020

9.1 Triangle congruence theorems, Monday 24 February

9.2 Exam review, Gradescope intro; Tuesday 25 February

9.3 Triangle congruence theorems, Wednesday 26 February

9.4 Triangle congruence proofs, Thursday 27 February

9.5 Proof - Proof intro on Deltamath (laptops), Friday 28 February

GQ: How do we prove two triangles are congruent?
CCSS: HSG.CO.B6-8 Understand congruence in terms of rigid motions   9.1 Monday 24 February

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: Side-side-side Triangle congruence postulate
Corresponding parts of congruent triangles are congruent

Homework: Transformations practice handout

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

CCSS: HSG.CO.B6-8 Understand congruence in terms of rigid motions   9.2 Tuesday 25 February

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

Homework: Complete DoNow Deltamath problems (due 10PM);
Test corrections due Friday 10PM

GQ: How do we prove two triangles are congruent?
CCSS: HSG.CO.B6-8 Understand congruence in terms of rigid motions 9.3 Wednesday 26 February

Do Now: Rigid motions, translation, reflection, rotation

▶ Triangle congruence theorem applications
▶ Compositions of transformations
▶ Justifying congruence based on rigid motion

Lesson: Side-side-angle ambiguous case
Corresponding parts of congruent triangles are congruent

Homework: Transformations practice handout

GQ: How do we prove two triangles are congruent?

CCSS: HSG.CO.B6-8 Understand congruence in terms of rigid motions 9.4 Thursday 27 February

Do Now: Transformations

▶ Reflection over a line not an axis

▶ Rotation

▶ Symmetry in terms of transformations "onto" itself

▶ Using the properties of rigid motions in explanations

Lesson: Proving triangles congruent, two column format

Homework: Deltamath triangle congruence practice

GQ: How do we prove two triangles are congruent?

CCSS: HSG.CO.B6-8 Understand congruence in terms of rigid motions   9.5 Friday 28 February

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

Extra credit: Practicing proof with Deltamath (laptops)

10.2 Circle equations, Casio use

Homework: Transformations practice handout