

10th Grade Geometry - Unit 11: Quadrilaterals

Bronx Early College Academy

Christopher J. Huson PhD

20 May 2019

11.1 Quadrilaterals, Word fluency Monday 20 May

11.2 Word fluency assessment Tuesday 21 May

11.3 Quadrilateral proofs using congruent triangles Wednesday 22 May

11.4 The rhombus and rectangle Thursday 23 May

11.5 Exam: Volume, trig, analytic geometry Friday 24 May

GQ: How do we use the properties of quadrilaterals?

CCSS: HSG.CO.C.11 Prove theorems about parallelograms

11.1 Monday 20 May

Do Now: Slope and distance, concluding statements

1. Using slope in proofs
2. Using distance in proofs
3. Writing concluding statements

Quadrilaterals' properties: parallelogram, trapezoid, rectangle, rhombus, square for sides, angles, & diagonals (reference sheet)

Microsoft Word tips and tools (Assessment tomorrow)

Homework: Problem set, study for density re-quiz tomorrow

GQ: How do we use technology efficiently?

CCSS: MP5 Use appropriate tools strategically: dynamic geometry software 11.2 Tuesday
21 May

Assessment: Microsoft Word tips & tools (open notes)

1. Correct name, date, typos; remove title underline & center
2. Select All → 12 pt. Times New Roman, doublespace
3. Crop, resize, and center image
4. Save Word file to desktop or downloads folder. Print→save PDF file (filename: lastname-projectname)
5. Upload to Canvas cloud
6. Rubric: correct & complete, elapsed time

Re-Quiz: density & volume

Task: Project corrections (resubmit), missing homework

Homework: Problem set handout

GQ: How do we use the congruent triangles of a parallelogram?

CCSS: HSG.CO.C.11 Prove theorems about parallelograms 11.3 Wednesday 22 May

Do Now Quiz (open notes): Quadrilateral properties

1. Given a list of features, identify the applicable quadrilateral
2. Early finishers: Triangle congruency proofs

ASA proof of a parallelogram's congruent triangles, implications
Pretest packet: volume, trig, analytic geometry

GQ: How do we use the congruent triangles of a rhombus?

CCSS: HSG.CO.C.11 Prove theorems about parallelograms

11.4 Thursday 23 May

Do Now Quiz (open notes): Quadrilateral properties

1. Given a list of features, identify the applicable quadrilateral
2. Early finishers: Triangle congruency proofs

Review for test

Homework: Study for exam tomorrow

GQ: How do we use the congruent triangles of a rhombus?

CCSS: HSG.CO.C.11 Prove theorems about parallelograms

11.5 Friday 24 May

Do Now handout: Volume, density, & trig problems

Classwork review

Assessment: Exam

1. Sector areas and arc lengths; compound areas
2. Volume formulas, compound shapes, density problems
3. Unit conversions, rounding
4. Trigonometric situations
5. Solving for a missing input given a formula result

Homework: Memorial Day holiday packet