

Mathematics Class Slides

Bronx Early College Academy

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21 April 2020

11.0 Scanning and uploading written work to Gradescope,
Wednesday 22 April

11.1 Algebra review, Literals, Wednesday 22 April

GQ: How do we document our mathematical reasoning?

HSA.CED.A.4 Rearrange formulas to highlight a quantity of interest 11.1 Wed. 22 April

Written work must be submitted following standard protocols

1. Title and label (lined paper)

10.2 Geometry

First, Last name

11.1 Literals (*Assignment*)

22 April 2020 (*Date*)

Number problems down the left (drawings, notes on the right)

2. Photograph and convert to pdf with an app:
Adobe Scan, Evernote Scannable, or Genius Scan
3. Login and upload to Gradescope.com (class code: MG8X2G)

GQ: How do we apply algebra to equations with literals?

HSA.CED.A.4 Rearrange formulas to highlight a quantity of interest 11.1 Wed. 22 April

Do Now: Submit Present; Answer these questions by chat

- ▶ What's the best day for Chess Club?
(Congratulations chess champion Ahmed!)
- ▶ What type of phone do you have?

Tech: turning in written work by uploading to Gradescope

Lesson:

Solving equations with multiple unknowns

Deltamath practice problems

Homework: Complete handout problem set, due by 10:00pm
(submit on time for full credit. late work: 80%)

GQ: How do we apply algebra to equations with literals?

HSA.CED.A.4 Rearrange formulas to highlight a quantity of interest 11.1 Wed. 22 April

Simplify each expression by “collecting like terms”

1. $3x + 2x$

2. $5\pi - 2\pi + 4\pi$

GQ: How do we apply algebra to equations with literals?

HSA.CED.A.4 Rearrange formulas to highlight a quantity of interest 11.1 Wed. 22 April

Simplify each expression by “collecting like terms”

1. $3x + 2x$

☐ $5 + x$

☐ $(x + x + x) + (x + x)$

☐ $5x$

☐ $(3 + 2)x$

2. $5\pi - 2\pi + 4\pi$

☐ $3\pi + 4$

☐ $(5 - 2 + 4)\pi$

☐ $7 + \pi$

☐ $7 \times \pi$

GQ: How do we apply algebra to equations with literals?

HSA.CED.A.4 Rearrange formulas to highlight a quantity of interest 11.1 Wed. 22 April

Simplify each expression by “collecting like terms”

1. $3x - 2x + 7y$

3. $-k + 7\sqrt{2} + 2k + 3\sqrt{2}$

2. $5z + 5\pi - 2\pi + z$

4. $5\pi x - 2\pi x + 9y$

GQ: How do we apply algebra to equations with literals?

HSA.CED.A.4 Rearrange formulas to highlight a quantity of interest 11.1 Wed. 22 April

Solve each equation for the unknown

1. $\frac{k}{\sqrt{3}} = 11$

2. $5z - 2\pi = 4\pi + z$

GQ: How do we apply algebra to equations with literals?

HSA.CED.A.4 Rearrange formulas to highlight a quantity of interest 11.1 Wed. 22 April

Solve each equation for the unknown

1. $4x - x\sqrt{3} = 11$

2. $5\pi x - 2\pi x = \pi x + 14$