

# Mathematics Class Slides

## Bronx Early College Academy

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23 March 2020

11.1 Deltamath point-slope practice, Tuesday 24 March

11.2 Circle equations review, Thursday 26 March

## GQ: How do we write a linear equation given a point and slope?

CCSS: HSG.CO.B6-8 Understand congruence in terms of rigid motions 11.1 Monday 23 March

### Do Now: Welcome to Beca Online!

- ▶ Complete the attendance question in Google Classroom
- ▶ Write in your notebook my new email, [chuson@beca324.org](mailto:chuson@beca324.org)
- ▶ Complete the G-Classroom "Do Now" questions

### BECA Online expectations

#### Lesson:

Point-slope form of linear equations

Khan Academy video & Deltamath practice problems

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

## GQ: How do we define a circle with an equation?

CCSS: HSG.GPE.A1 Geometry & equations of conics

11.2 Thursday 26 March

Do Now: Point-slope assessment; answer by Zoom private message

1. What is the slope of  $y = \frac{3}{2}x + 5$ ?
2. Find the  $y$ -intercept of  $4x - y = 7$
3. Identify a point on the line  $y - 3 = \frac{1}{2}(x + 1)$  as an ordered pair
4. Identify a point on the line  $y = \frac{3}{2}x + 5$  as an ordered pair
5. Find the equation of the line with slope 2 through  $(-4, 9)$

Lesson: Finding the center and radius of a circle given its equation

Video & discussion, practice problems

Extra credit: Deltamath "System of Equations of Circle/Line (L1)"

Daily practice: Khan Academy triangle & parallelogram areas