

**La Porte J H - Math - Outreach Learning**

**May 18 -21, 2020**

**8<sup>th</sup> Math Acceleration**

**8<sup>th</sup> grade Math Acceleration**

**Week of May 18-21, 2020**

**Writing Equations of a Line When Given the Slope and Y-Intercept**

Teachers: Ms. Davis  
Ms. McPherson

**Please access your lessons  
in our TEAMS folder on your  
computer.**

Previous Lessons:  
**Inequalities**

Link to resources: **in Teams**

**Academic/ Instructional Support**

**Last Class Meetings: Wednesday**  
**4<sup>th</sup> Period: 12 noon 6<sup>th</sup> Period: 12:30 p.m.**

I can be reached by email at [davidd@lpisd.org](mailto:davidd@lpisd.org)

I can be reached by email at [mcphersond@lpisd.org](mailto:mcphersond@lpisd.org)

**Office Hours**

**Ms. McPherson**

Tuesday & Thursday 9 – 11 a.m. & 1:00 - 2 p.m.

Friday 9 a.m. - 12 noon

**Ms. Davis**

Tuesday & Thursday 1:00 -3:00 p.m.

Friday 9 a.m. – 12 noon

**Objective: I can write the equation of a line given its slope and the y-intercept.**

**Ex1.** Write an equation of a line that has a  
slope of  $\frac{2}{5}$  and y intercept of -3.

$$y = mx + b$$

↓ ↓

**Equation:**  $y = \frac{2}{5}x - 3$

**Ex2.** Write an equation of a line that has a  
slope of 1 and y intercept of 0.

$$y = mx + b \text{ (y-intercept is 0 so there is no "b")}$$

↓

**Equation:**  $y = 1x$  or  $y = x$

**Steps to writing an Equation of a Line**

**Case 1. Given a Slope & a y-intercept**

Substitute the slope (m) and  
y-intercept (b) into the equation  $y = mx + b$ .

See example 1 and 2

**This week has the last 2 assignments for the 6 weeks period.**

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**Activities for 8<sup>th</sup> Math Acceleration Classes**

Student Activities: [Go to your class period in TEAMS to see your assignments under Files](#)

Lesson: Writing the Equation of a Line

Assignment 1:

- Notes for Writing the Equation of a Line: **see the Objective section for the notes**
- Assignment 1: [Writing the Equation of a Line](#) (to be graded)

Assignment 2:

- Assignment 2: [Writing the Equation of a Line Quiz](#) (to be graded)

**To Be Graded:** All assignments are due no later than Monday, May 25 at 8 a.m.

**Students should begin work on Monday, May 18<sup>th</sup>, 2020. These assignments should take no more than 1 hour to complete.**

Lesson 1: Forms Grade-Writing the Equation of a Line

Lesson 2: Forms Grade-Writing the Equation of a Line Quiz

**How will it be submitted?**

All assignments are to be submitted electronically, except by individual arrangement.