

CAN YOU SAVE YOUR GRADE IN A 'FORTNIGHT'?

Instructions: Complete each task, showing your work. Submit through Google Classroom by Monday, 14 May 2018. Generating your graphs using a Google Sheet correctly earns extra credit.

- 1) When precisely did you start playing Pub-G-Fortnite? Be specific as possible, e.g., Tuesday, November 21st.
- 2) Since you started playing, how many total minutes have you played? Show your work.
- 3) Calculate your average minutes per day rate up until Friday, 04 May 2018.
- 4) Using your current total minutes played and your average minutes per day rate, write a linear equation (*hint: slope-intercept form*) that equates minutes played (dependent) to days (independent). Show your work, and interpret your equation.
- 5) Since the first day of school, how many total minutes have you been studying math up until Friday, 04 May 2018? Show your work.
- 6) Calculate your average minutes per day studying rate up until Friday, 04 May 2018.
- 7) Using your current total study minutes and your average minutes per day rate, write a linear equation (*hint: slope-intercept form*) that equates minutes studying (dependent) to days (independent). Show your work, and interpret your equation.
- 8) Graph the system of equations (Fortnite playing, Studying) on the same coordinate plane. Determine and interpret the solution of this system.
- 9) Solve the system of equations algebraically. Determine and interpret the solution of this system.
- 10) Are you good at Fornite, or Math, or both? Justify your argument from the data you generated in this exercise.