Number Operations: Equations on a Coordinate System

Week 1: Two Variable Equations + Intro to Coordinate Plane
- Verifying solutions to two variable equations
- Intro to coordinate plane

https://www.youtube.com/watch?v=qcb-mcREIi0
https://youtu.be/qk69pR91R00

Week 2: Intercepts
- Intercepts from graph
- Intercepts from equation

Week 3: Slope
- Slope from graph
- Slope from two points
- Slope from equation of a line

Week 4: Point Slope Form and Slope Intercept Form
- Intro to Slope intercept form
- Converting from point slope to slope intercept

https://www.youtube.com/watch?v=u3spOO-m_Gg

Week 5: More Slope Intercept Form
- Finding slope intercept equation from graph
- Finding slope intercept equation from two points

Week 6: Intro to Functions
- Evaluate functions algebraically
- Functions from a graph
- Independant/dependant variables
- Constants

https://www.youtube.com/watch?v=i9j_VUMq5yg

Week 7: Systems of Equations Part 1
- Intro to systems of equations
- Verify solutions to systems of equations

https://youtu.be/SkMNREAMNvc

Week 8: Systems of Equations Part 2
- Solving systems of equations by graphing
- Solving systems of equations by substitution

Week 9: Systems of Equations Part 3
- Systems of equations by adding equations together

Week 10: **Systems of Equations Part 4**
- Finding number of solutions to a system of equations graphically
- Finding number of solutions to a system of equations algebraically

Week 11: **Systems of Equations Part 5**
- Systems of Equations word problems

Week 12: **Wrap up and review**