



Dear Eighth Grade Families,

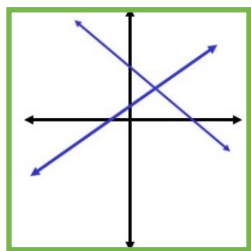
In Unit 8, students will work on the following eighth grade Common Core standards in the Expressions and Equations (EE) domains.

8.EE.8	Analyze and solve pairs of simultaneous linear equations. <ol style="list-style-type: none">Understand that solutions to a system of two linear equations in two variables correspond to points of intersection of their graphs, because points of intersection satisfy both equations simultaneously.Solve systems of two linear equations in two variables algebraically, and estimate solutions by graphing the equations. Solve simple cases by inspection.Solve real-world and mathematical problems leading to two linear equations in two variables.
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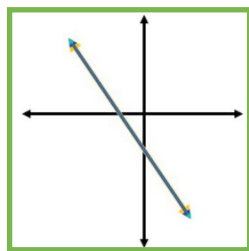
Unit 8 Concepts:

- Systems of equations
- Graphing linear equations
- Using the substitution and elimination methods

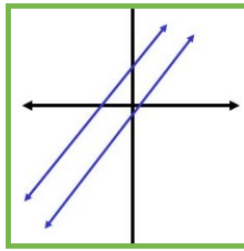
Solutions to Systems of Equations



One solution



Infinite solutions



No solution

Unit 8 Vocabulary:

- System of equations
- Solutions to systems
- Slope-intercept form
- Substitution method
- Elimination method

Ask questions like these to help your child as a productive mathematical thinker:

- When is the substitution method best to use?
- How does graphing equations help you with solutions?
- What have you learned previously that will help you with these lessons?
- What is slope-intercept form?
- How would describe the process of elimination?

Need a review? Check out our lesson videos online!

swunmath.com/student-videos

If you don't know the class's special name, ask your child's teacher.

We encourage you to talk with your child daily about what was learned in math class.
Thank you for your support!