Module 5 – Systems of Linear Equations and Inequalities

Lesson 3 – Systems of Linear Equations in Two Variables

Name

Fill in the blanks.

1. The three methods for solving a system of linear equations are the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ methods.
2. The system with parallel lines and no solution is called an \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ system.
3. If two lines are exactly the same, the system is called a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ system and has \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ number of solutions.
4. A system with one solution and graphs that intersect is called a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ system.

Find the solution of each system using the graphical method.

Find the solution of each system using the elimination method.

Find the solution of each system using the substitution method.