**Bridge Math** Solving Systems of Equations by

Elimination & Substitution

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Class: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Solving Linear Systems by Substitution**



1.

2.

**DSPM 0800 – Elementary Algebra** Solving Systems of Equations by

Elimination & Substitution

Name:  **SOLUTIONS**  Class: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Solving Linear Systems by Substitution**



1.

2.

3.



4.



5.

6.

**Solving Linear Systems by Elimination**



7.



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10.



11.



12.



13.



14.

15.

Graph the linear system, then use the graph to tell whether the linear system has ***one solution***, ***no solution***, or ***infinitely many solutions***.

16. 17. 18.

**Vocabulary**

Use the vocabulary terms listed below to complete each statement.

**system of linear equations solution of the system inconsistent system**

**solution set of the system consistent system independent equations**

**dependent equations**

1. Equations of a system that have different graphs are called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

2. A system of equations with at least one solution is a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

3. The set of all ordered pairs that are solutions of a system is the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

4. The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of a linear equations includes all the ordered pairs that make all the equations of the system true at the same time.

5. Equations of a system that have the same graph (because they are different forms of the same equation) are called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

6. A system with no solution is called a(n) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

7. A(n) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ consist of two or more linear equations with the same variables.