NAME\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_DATE\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_PERIOD\_\_\_\_\_\_\_\_\_

**8.2 – Solving Systems Algebraically**

Solve each system using elimination.

1. 2.

Solution:\_\_\_\_\_\_\_\_\_\_ Solution:\_\_\_\_\_\_\_\_\_\_

3. 4.

Solution:\_\_\_\_\_\_\_\_\_\_ Solution:\_\_\_\_\_\_\_\_\_\_

5. 6.

Solution:\_\_\_\_\_\_\_\_\_\_ Solution:\_\_\_\_\_\_\_\_\_\_

7. 8.

Solution:\_\_\_\_\_\_\_\_\_\_ Solution:\_\_\_\_\_\_\_\_\_\_

9. 10.

Solution:\_\_\_\_\_\_\_\_\_\_ Solution:\_\_\_\_\_\_\_\_\_\_

Use substitution to solve each system of equations.

11. Solution:\_\_\_\_\_\_\_\_\_\_

12. Solution:\_\_\_\_\_\_\_\_\_\_

13. Solution:\_\_\_\_\_\_\_\_\_\_

14. Solution:\_\_\_\_\_\_\_\_\_\_

15. Solution:\_\_\_\_\_\_\_\_\_\_

16. Solution:\_\_\_\_\_\_\_

17. Solution:\_\_\_\_\_\_\_\_\_\_

18. Solution:\_\_\_\_\_\_\_\_\_\_

19. State whether the given ordered pair is a solution to the system. (**SHOW WORK**)

 \_\_\_\_\_\_\_\_\_\_

20. Solve the system in three ways.

 **GRAPHING** Solution:\_\_\_\_\_\_\_\_\_\_ **ELIMINATION** Solution:\_\_\_\_\_\_\_



**SUBSTITUTION** Solution:\_\_\_\_\_\_\_