**6-3 Elimination Homework** Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Class:\_\_\_\_\_\_\_\_

Decide if you would use addition/subtraction to solve the following systems and what variable would be eliminated:

1.  2. 

Solve the system by elimination

3.  4.  5. 

6.  7.  8. 

9. Find the value of the two numbers if their sum is 12 and their difference is 4.

10. Flying to Kampala with a tailwind a plan averaged 158 km/h. On the return trip the plan only averaged 112 km/h while flying back into the same wind. Find the speed of the wind and the speed of the plan in the still air.