**6-4 Elimination Day 2 Homework** Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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

Decide which equation to multiply and what to multiply it by:

1.  2. 

Multiply one equation to have opposite coefficients, then rewrite the system

Solve the system by elimination

4.  5. 

Solve the following systems:

6.  7. 

8.  9. 

10. Steve subscribed to 10 podcasts for a total of 340 minutes. He used his favorite tags, sports and cars. Each of the sports episodes last about 32 minutes. Each of the cars episodes last about 42 minutes. How many of each tag did Steve subscribe?