There are multiple different ways to solve systems of linear equations – today we will focus on elimination.

* **Elimination**
  + **Addition/Subtraction**
    - Step 1: Write the system so that like terms with the same or opposite coefficients are aligned.
    - Step 2: Add or subtract the equations, eliminating one variable. Then solve the equation.
    - Step 3: Substitute the value from Step 2 into one of the equations, and solve for the other variable. Write the solution as an ordered pair!
  + **Multiplication**
    - Step 1: Multiply at least one equation by a constant to get two equations that contain opposite terms.
    - *Step 2:* Add the equations, eliminating one variable. Then solve the equation.
    - Step 3: Substitute the value from Step 2 into one of the equations, and solve for the other variable. Write the solution as an ordered pair!

Solving Systems by Elimination

1.  2.  3. 
2.  5.  6. 

You Try!

7.  8.  9. 

10.  11.  12. 

Extension

1.  14.  15. 

16.  17.  18. 