



## Solving a system of 3 equations & 3 unknowns

- Clear each equation of fractions and put it in standard form.
- Choose two of the equations & eliminate one of the variables by forming a linear combination.
- Choose a different pair of equations & eliminate the same variable.
- Form a 2 x 2 system with the equations found in steps 2 & 3. Eliminate one of the variables from this 2 x 2 system using a linear combination.
- Use back-substitution to solve.

