Solving a System of Three Equations

Name _____

Date _____ Period _____

Solve

Look for the easiest equation and solve for easiest variable and substitute to other equations.

Eq1 $x - 2y + 3z = 7$

Eq2 $2x + y + z = 4$

Eq3 $-3x + 2y - 2z = -10$

Solve

Look for ways to use the process of elimination.

Eq1 $5x - 6y + 2z = 21$

Eq2 $2x + 3y - 3z = -9$

Eq3 $-3x + 9y - 4z = -24$

Strategy: Eliminate the y's.

Look for the easiest equation and solve for easiest variable and **substitute** to other equations.

Look for ways to use the process of **elimination**.