3 Methods for Solving a Linear or other Systems of Equations

Method	Strengths	Weaknesses
Graphical	1. Solution(s) is easily visible 2. Can be used with any system that can be graphed	1. Some solutions must be approximated. 2. The graph may not be accurate enough or large enough to show a solution
Substitution	1. Yields exact solution(s) 2. Easy to use when a variable has a coefficient of one or -1	1. There may be extensive computations with fractions 2. Solution is not displayed graphically
Elimination	1. Yields exact solution(s) 2. Easy to use when fractions or decimals appear in the system	1. Solutions are not displayed graphically