

Review Pg. 95#22

U2L7 – 1.9 Solving a Linear System Using Algebra: Elimination

Students will learn to use the algebraic method of elimination to solve a linear system of equations.

Examples

1. The simplest case:

$$x + y = 8$$

$$x - y = 2$$

2. Solve using elimination:

$$\begin{aligned}3x - 2y &= 2 \\ -10x + 3y &= 8\end{aligned}$$

3. Flying into the wind, an airliner takes 4h to go 960km. The same plane flying with the wind takes only 3 h to make the same trip. Find the speed of the plane and the speed of the wind.