

Algebra II

SS 4

Solving Systems of Linear Equations in Three Variables

Equations in two variables define a _____.

How many solutions are possible in their crossing? _____

List them:

Equations in three variables define a _____.

How many solutions are possible in their crossing?

Solve each system. (pg 447)

$$\begin{aligned} 1) \quad & x + y - 3z = 10 \\ & y + z = 12 \\ & z = -2 \end{aligned}$$

$$\begin{aligned} 9) \quad & 2x + y + 3z = 10 \\ & x - 2y + z = 10 \\ & -4x + 3y + 2z = 5 \end{aligned}$$

Assignment: pg. 447 1-12 all
