Section 4.2 Solving Systems of Linear Equations in Three Variables

# Objective 1: Determining Whether an Ordered Triple is a Solution

A solution of a system of three equations in three variables is an **ordered triple** that makes all three equations true.

Determine whether the ordered triple is a solution of the system .

# Objective 2: Solving a System of Three Linear Equations in Three Variables

Just as with systems of two equations in two variables, we can use the elimination or substitution method to solve a system of three equations in three variables.

Solve each system of equations.

a.

b.

c.