

Problem 1

Use row reduction on the appropriate augmented matrix to solve the following system of equations:

$$3x + 2y = 2$$

$$x - y = 1$$

Problem 2

Use row reduction on the appropriate augmented matrix to solve the following system of equations:

$$2x + 4y + z = 0$$

$$x - y + z = 2$$

$$x + 3y + z = 1$$