

Name:

1. Find all solutions to the following system of equations. Please explicitly indicate any free variables.

$$3x - y + 4z = 1$$

$$4y + 2z = -4$$

$$x - y + z = 1$$

2. Find all solutions to the following system of equations. Please explicitly indicate any free variables.

$$3x - y + 2z = 0$$

$$4y + 4z = 8$$

$$x - y + z = 1$$