Mathematics 700 Quiz #1

Name:

- (1) Give an example of two linear equations with real coefficients in two unknowns so that(a) They have exactly one solution.
 - (b) The set of solutions is a line in \mathbb{R}^2 .
 - (c) They have no solutions.
- (2) Find all solutions to

$$2x + y + z = 5$$
$$x + y - 4z = 3$$