Please show **all** your work and circle your answer! You have 15 minutes for this quiz.

Name:_____

Determine whether each of the following systems of linear equations has a solution, if there is a solution, find it.

1. (5pts)

$$21x - 6y = 4$$
$$-14x + 4y = 1$$

2. (5pts)

$$x + y + z = 0$$
$$x + y = 0$$
$$x = -1$$