**4.** (a) Determine the values of k for which the system of equations

$$kx + y - z = -5$$
$$6x - 5y + (k - 1)z = 1$$

does not have a unique solution.

Given that k=5

(b) (i) by finding an appropriate inverse matrix, solve this system of equations,

x - 3v + 2z = -7

(ii) interpret the solution geometrically.

(4)