Fabian T. Niholet RDD2XA

5) dim W=4

(b)
$$W = \frac{1}{2}(x_{1}y_{1}z_{1}u) \in \mathbb{R}^{k} | x - 2y - \frac{1}{2} + u = 0$$
 of $2x + y + 2z - u = 0^{\frac{3}{2}}$
 $X - 2y - \frac{1}{2} + u = 0 =) \underbrace{z} = x - 2y + u$
 $2x + y + 2x - 4y + 2u - u = 0$
 $4x - 3y + u = 0 = 0$ $u = -4x + 3y$
 $y = 0 = x - 2y - 4x + 3y = -3x + y$
 $(x_{1}y_{1}z_{1}u) = (x_{1}y_{1} - 3x + y_{1} - 4x + 3y) = (x_{1}c_{1} - 3_{1} - 4) + (c_{1}y_{1} + 3y) = x(1_{1}c_{1} - 3_{1} - 4) + y(c_{1}x_{1}x_{1})$
 $U = \frac{1}{2}(x_{1}y_{1}z_{1}u) \in \mathbb{R}^{k} | x - 2y - \frac{1}{2} + u = 0$ of $2x + y + 2z - u = 0^{\frac{3}{2}}$
 $U = \frac{1}{2}(x_{1}y_{1}z_{1}u) \in \mathbb{R}^{k} | x - 2y - \frac{1}{2} + u = 0$ of $2x + y + 2z - u = 0^{\frac{3}{2}}$