```
(2)
                                                                                    a) -20 +30 = - (2, 4, -2) + (18, 12, 6) = (16, 8, 8)
             U=(1,2,-1)
            V=(6,4,2) 5)W: Spam(v,v) = {x.v+n.v | x,n e R}
           X = (9_{1} \times 17)
(6, 6, 2)
(6, 6, 2)
                                                                                                                                   = (\(\lambda_12\lambda_1^-\lambda\) + (6\(\gamma_1^4\gamma_1^2\gamma\)
                                                                                                                                                                                                                                                                                                                                                                                                                                               \bigcirc
                                                                                                                                    = (146y, 21+4y, -1+2m)
                                                                                           =) W= \{(\lambda+6\eta_12\lambda+4\eta_1-\lambda+2\eta) \mid \lambda,\eta \in \mathbb{R} \} \subseteq \mathbb{R}^3
       1(9,2,7) = /2+64,22+44,-2+24)
                                                                                                                                                                                                                                                                                                                                                                                                                           d) (4,-1,6) = (1 +6m, 21+4m, -1+2m)
                                     5 = > + 6m (1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                     4 = X + 6m (1)
                                         2=2×+4m (2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                    -1=2X+4m (1)
                                          7= - 124 13)
                                                                                                                                                                                                                                                                                                                                                                                                                                                     8 = - 1 +2 y 13)
         \frac{1}{\sqrt{3}} = \frac{2(1) = 118 = 2 \times 1}{(2) - 2(1) = 11 - 16 = -8 \times 1} = \frac{1}{\sqrt{3}}
\frac{1}{\sqrt{3}} = 
                                                                                                                                                                                                                                                      (1) = 19 = \lambda + 6.2 = 1 \lambda = -3
                                                                                                                                                                                                                                                                                                                                                                                                                                         2.(1) => 8=2>+12y
                                                                                                                                                                                                                                                                                                                                                                                                                                    (2)=)2=2×+4·2 => ×=-3
                                                                                                                                                                                                                                                        (3) = ) 7 = -\lambda + 2 \cdot 2 = ) \lambda = -3
                                                                                                                                                                                                                                  IJ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ソもい
                                                                                                                                                                                                              XEW
    b) S3 = {(x, y, 2) < IR3 | 2x-3y + 2 = 0} = R3
         c) W_1 = \{(x-y+5z,3x-z,2x+y-7z,-x) \in \mathbb{R}^4 \mid x,y,t \in \mathbb{R}\} \subseteq \mathbb{R}^4
        J) W, = \frac{1}{2}(x_1, x_1, x_2) \in \mathbb{R}^3 \mid 2x - 3y + 2 = 0 \cdot \frac{1}{2} \subseteq \mathbb{R}^3
(x_{1} - y_{1} + 3x_{1} + 2x + y_{1}) = (x_{1} + 3x_{1} + 2x_{1}) + (-y_{1} + 0_{1} + y_{1}) = x_{1}(y_{1} + y_{1}) + y_{1}(-y_{1} + y_{1}) + y_{1}(y_{1} + y_
                                                                                                                                                                                             =) (1,3,2) (-1,0,1) generation remodern
 b) 2x - 3y + 2 = 0
                                                              = -2×+3×
   (x_1, y_1 - 2x + 3y) = (x_1, 0_1 - 2x) + (0_1, y_1, 3y) = x(1_1, 0_1 - 2) + y(0_1, 1_1, 3)
                                                                                                                                                                                                        =) (1,0,-2) (0,1,3) gemenatornemoszer
     () (x-y+5=, 3x-2, 2x+y-7=, -x) = (x,3x,2x,-x)+(-y,0,y,0)+(5=,-1,-7=,0) = x(1,3,2,-1)+y(-1,0,1,0)+2(5,-1,-7=,0)
                                                                                                                                                                                                                                                                                                                                                                                    = ) (1,3,2,-1) (-1,0,1,0) (5,-1,-7,0) generatorromdsser
```

=) (-34,14,2) = (-34,14,0) + (0,0,2) = 4(-3,10) + 5(0,01)

=7 (-3,1,0) (0,0,1) generatornemoszen

$$\begin{array}{l}
G_{0} \\
A_{1} W_{1} = \left\{ (x_{1} \gamma_{1} z) \in \mathbb{R}^{3} \mid \left[ z - 3 \right] \right\} \cdot \begin{pmatrix} x \\ y \\ z \end{pmatrix} = (0) \right\} \\
\begin{cases}
z - 5 \leq 5 \mid \left( \frac{x}{2} \right) = G \\
2x - 3y + 5z = O \\
x = \frac{3y - 5z}{2} \\
= 7 \left( \frac{3y - 5z}{2} \mid y \mid z \right) = \left( \frac{3z}{2} \mid y_{1} O \right) + \left( -\frac{5}{2}z \mid_{G} z \right) = y \left( \frac{3}{2} \mid_{1} 1_{1} O \right) + z^{2} \left( -\frac{5}{2} \mid_{G} 1_{1} \right) \\
= 1 \left( \frac{3}{2} \mid_{1} 1_{1} O \right) + z^{2} \left( -\frac{5}{2} \mid_{G} 1_{1} \right) + z^{2} \left( -\frac{5}{2} \mid_{G} 1_{1} \right) \\
= 1 \left( \frac{3z}{2} \mid_{1} 1_{1} O \right) + z^{2} \left( -\frac{5}{2} \mid_{G} 1_{1} \right) + z^{2} \left( -\frac{5}{2} \mid_{G} 1_{1} \right) \\
= 1 \left( \frac{3}{2} \mid_{1} 1_{1} O \right) + z^{2} \left( -\frac{5}{2} \mid_{G} 1_{1} \right) + z^{2} \left( -\frac{5}{2} \mid_{G} 1_{1} \right) \\
= 1 \left( \frac{7}{2} \mid_{1} 1_{1} \mid_{1} 1$$