1) d)
$$t \cdot \begin{pmatrix} 2 \\ 4 \end{pmatrix} + 5 \cdot \begin{pmatrix} \frac{7}{37} \end{pmatrix} + V \cdot \begin{pmatrix} \frac{3}{3} \\ \frac{5}{5} \end{pmatrix} = \begin{pmatrix} -\frac{9}{7} \\ -\frac{7}{75} \end{pmatrix}$$
 $\frac{t}{2} \cdot \frac{5}{3} \cdot \frac{\sqrt{3}}{2} \cdot \frac{\sqrt$

$$a = \begin{pmatrix} 1 \\ 2 \end{pmatrix} \qquad v = \left\{ \begin{pmatrix} -1 \\ 3 \end{pmatrix}, \begin{pmatrix} 0 \\ 4 \end{pmatrix} \right\} \qquad v = \left\{ \begin{pmatrix} -1 \\ -1 \end{pmatrix}, \begin{pmatrix} 1 \\ 6 \end{pmatrix} \right\}$$

$$S \cdot \begin{pmatrix} -1 \\ 3 \end{pmatrix} + \begin{pmatrix} 0 \\ 4 \end{pmatrix} = \begin{pmatrix} 7 \\ 2 \end{pmatrix} \qquad \begin{pmatrix} -1 \\ 3 \end{pmatrix} \begin{pmatrix} 0 \\ 4 \end{pmatrix} = \begin{pmatrix} 1 \\ 2 \end{pmatrix}$$

$$\frac{5}{3} + \begin{pmatrix} 1 \\ 2 \end{pmatrix} \qquad S = -1$$

$$3 + \begin{pmatrix} 2 \\ -2 \end{pmatrix} + \begin{pmatrix} 0 \\ 5 \end{pmatrix} = \begin{pmatrix} 7 \\ 2 \end{pmatrix}$$

2)
$$P(x) = 3x^{3} - 10x + 2$$

 $P = \{3,2 \times 1 - 5x^{2}, 4x^{3}\}$
 $(3,12 \times 1 - 5,14x^{3}) \cdot \begin{pmatrix} \frac{2}{3} \\ -\frac{5}{4} \end{pmatrix}$