(3)
$$\{ \sum_{i=1}^{2} -1 \} = \{ i \}$$
 $\{ x_{i} = 1 \} = \{ x_{i} =$

(2) 142,-4224-523-524=4

(3) 假. 尺"中可能有几时时线性俱合。

-22, +52, +42, +42, +42, =1}

4. (1)
$$\begin{bmatrix} 2 & 3 & -1 & 5 & 0 \\ 3 & 1 & 3 & -7 & 0 \\ 4 & 1 & -3 & 6 & 0 \end{bmatrix} \Rightarrow \begin{bmatrix} 2 & 3 & -1 & 5 & 0 \\ 3 & 1 & 2 & -7 & 0 \\ 4 & 1 & -3 & 6 & 0 \end{bmatrix} \Rightarrow \begin{bmatrix} 2 & 3 & -1 & 5 & 0 \\ 4 & 1 & -3 & 6 & 0 \\ 0 & 7 & -7 & 1 & 9 & 0 \end{bmatrix} \Rightarrow \begin{bmatrix} 2 & 3 & -1 & 5 & 0 \\ 6 & 7 & -7 & 1 & 9 & 0 \\ 0 & -5 & -1 & -4 & 0 \\ 0 & 7 & -9 & 1 & 9 & 0 \end{bmatrix} \Rightarrow \begin{bmatrix} 2 & 3 & -1 & 5 & 0 \\ 0 & 7 & -7 & 1 & 9 & 0 \\ 0 & -5 & -1 & -4 & 0 & 0 \end{bmatrix} \Rightarrow \begin{bmatrix} 2 & 3 & -1 & 5 & 0 \\ 0 & 7 & -7 & 1 & 9 & 0 \\ 0 & -5 & -1 & -4 & 0 & 0 \end{bmatrix} \Rightarrow \begin{bmatrix} 2 & 3 & -1 & 5 & 0 \\ 0 & 7 & -7 & 1 & 9 & 0 \\ 0 & 0 & -5 & 1 & 9 & 0 \end{bmatrix} \Rightarrow \begin{bmatrix} 2 & 3 & -1 & 5 & 0 \\ 0 & 7 & -7 & 1 & 9 & 0 \\ 0 & 0 & 0 & 0 & 0 \end{bmatrix} \Rightarrow \begin{bmatrix} 2 & 3 & -1 & 5 & 0 \\ 0 & 7 & -7 & 1 & 9 & 0 \\ 0 & 0 & 0 & 0 & 0 \end{bmatrix} \Rightarrow \begin{bmatrix} 2 & 3 & -1 & 5 & 0 \\ 0 & 7 & -7 & 1 & 9 & 0 \\ 0 & 0 & 0 & 0 & 0 \end{bmatrix} \Rightarrow \begin{bmatrix} 2 & 3 & -1 & 5 & 0 \\ 0 & 7 & -7 & 1 & 9 & 0 \\ 0 & 0 & 0 & 0 & 0 \end{bmatrix} \Rightarrow \begin{bmatrix} 2 & 3 & -1 & 5 & 0 \\ 0 & 7 & -7 & 1 & 9 & 0 \\ 0 & 0 & 0 & 0 & 0 \end{bmatrix} \Rightarrow \begin{bmatrix} 2 & 3 & -1 & 5 & 0 \\ 0 & 7 & -7 & 1 & 9 & 0 \\ 0 & 0 & 0 & 0 & 0 \end{bmatrix} \Rightarrow \begin{bmatrix} 2 & 3 & -1 & 5 & 0 \\ 0 & 7 & -7 & 1 & 9 & 0 \\ 0 & 0 & 0 & 0 & 0 \end{bmatrix} \Rightarrow \begin{bmatrix} 2 & 3 & -1 & 5 & 0 \\ 0 & 7 & -7 & 1 & 9 & 0 \\ 0 & 0 & 0 & 0 & 0 \end{bmatrix} \Rightarrow \begin{bmatrix} 2 & 3 & -1 & 5 & 0 \\ 0 & 7 & -7 & 1 & 9 & 0 \\ 0 & 0 & 0 & 0 & 0 \end{bmatrix} \Rightarrow \begin{bmatrix} 2 & 3 & -1 & 5 & 0 \\ 0 & 7 & -7 & 1 & 9 & 0 \\ 0 & 0 & 0 & 0 & 0 \end{bmatrix} \Rightarrow \begin{bmatrix} 2 & 3 & -1 & 5 & 0 \\ 0 & 7 & -7 & 1 & 9 & 0 \\ 0 & 0 & 0 & 0 & 0 \end{bmatrix} \Rightarrow \begin{bmatrix} 2 & 3 & -1 & 5 & 0 \\ 0 & 7 & -7 & 1 & 9 & 0 \\ 0 & 0 & 0 & 0 & 0 \end{bmatrix} \Rightarrow \begin{bmatrix} 2 & 3 & -1 & 5 & 0 \\ 0 & 7 & -7 & 1 & 9 & 0 \\ 0 & 0 & 0 & 0 & 0 \end{bmatrix} \Rightarrow \begin{bmatrix} 2 & 3 & -1 & 5 & 0 \\ 0 & 7 & -7 & 1 & 9 & 0 \\ 0 & 0 & 0 & 0 & 0 \end{bmatrix} \Rightarrow \begin{bmatrix} 2 & 3 & -1 & 5 & 0 \\ 0 & 7 & -7 & 1 & 9 & 0 \\ 0 & 0 & 0 & 0 & 0 \end{bmatrix} \Rightarrow \begin{bmatrix} 2 & 3 & -1 & 5 & 0 \\ 0 & 7 & -7 & 5 & -1 & 5 \\ 0 & 7 & -5 & 1 & 5 & 0 \end{bmatrix} \Rightarrow \begin{bmatrix} 2 & 3 & -1 & 5 & 0 \\ 0 & 7 & -7 & 5 & -5 & 5 \\ 0 & 7 & -5 & 1 & 5 & 0 \end{bmatrix} \Rightarrow \begin{bmatrix} 2 & 3 & -1 & 5 & 0 \\ 0 & 7 & -7 & 5 & -5 & 5 \\ 0 & 7 & -5 & 1 & 5 & 0 \end{bmatrix} \Rightarrow \begin{bmatrix} 2 & 3 & -1 & 5 & 0 \\ 0 & 7 & -7 & 5 & -5 & 5 \\ 0 & 7 & -5 & 1 & 5 & 0 \end{bmatrix} \Rightarrow \begin{bmatrix} 2 & 3 & -1 & 5 & 0 \\ 0 & 7 & -5 & 1 & 5 & 0 \\ 0 & 7 & -5 & 1 & 5 & 0 \\ 0 & 7 & -5 & 1 & 5 & 0 \end{bmatrix} \Rightarrow \begin{bmatrix} 2 & 3 & -1 & 5 & 0 \\ 0 & 7 & -5 & 1 & 5 & 0 \\ 0 &$$

アイチャス $\begin{bmatrix} 1 & -3 & 3 & -2 & 0 \\ -3 & 7 & -1 & 2 & 0 \\ 0 & 1 & -4 & 3 & 0 \end{bmatrix} \Rightarrow \begin{bmatrix} 1 & -3 & 3 & -2 & 0 \\ 0 & -2 & 8 & -4 & 0 \\ 0 & 1 & 4 & 3 & 0 \end{bmatrix} \Rightarrow \begin{bmatrix} 1 & -3 & 3 & -2 & 0 \\ 0 & -1 & 4 & 2 & 0 \\ 0 & 1 & -4 & 3 & 0 \end{bmatrix}$ コ (0-14-10) コ 大田は、 $\begin{bmatrix}
1 & -1 & 3 & 0 \\
5 & -9 & h & 0 \\
-1 & 6 & -9 & 0
\end{bmatrix} = 7 \begin{bmatrix}
1 & -2 & 3 & 0 \\
5 & -9 & h & 0 \\
-1 & 2 & -3 & 0
\end{bmatrix} = 3 \begin{bmatrix}
1 & -2 & 3 & 0 \\
5 & -9 & h & 0 \\
0 & 0 & 0 & 0
\end{bmatrix}$ => [1-230] => [002/2]0 : A在A M使 的一种建设 班礼. 3. XXXXXX X = 3 , X24-2 , X3=1. 4. (1) · S中主5有一个向量食其他向量以战但俱合、假设该向量为 V, il wy V, = C2 Vx + C6V6 + · · · Cp Vp ·. S战收粮支, (反:流然.) (2)蚕 ;5年本成化城。 及证法·若没有一个以是它前面几个向量以其在1266 is :- Give - colora. 那么. 食 : 5 成性相关 : C. V. + ... CaUp=0. ~ 看在在半个 64 : - Cpup = C, V, + ... Cx, Vp., i. Vp = - 5 V, + ... Ko Vp-1 Bit 与张件方盾: 二、5成红胡麦, 四,其个以 是它前面八個量以城市社会

2. (1) $\begin{bmatrix} 1 & 3 \\ 0 & 1 \end{bmatrix} \begin{bmatrix} x_1 \\ x_2 \end{bmatrix} = \begin{bmatrix} 2 \\ 3 \end{bmatrix}$ $\therefore \begin{bmatrix} 1 & 3 & 2 \\ 0 & 1 & 3 \end{bmatrix} \Rightarrow \begin{bmatrix} x_2 = 3 \\ x_1 = 1 - 7 \end{bmatrix}$

(3) $u'' \begin{bmatrix} \frac{1}{2} & 0 \\ 0 & \frac{1}{2} \end{bmatrix} = u' \quad u' \begin{bmatrix} 1 & 1 \\ 1 & 1 \end{bmatrix} = u$

 $(2) B = \begin{bmatrix} 2 & 0 \\ 0 & 2 \end{bmatrix} \quad U'' = \begin{bmatrix} 4 \\ 6 \end{bmatrix}$

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