5) 
$$6x_1 + 3x_2 = 1$$
  
 $-x_1 + 4x_2 = -7$   
 $5x_1 = -5$ 

6) 
$$-2x_1 + 8x_2 + x_3 = 0$$
  
 $3x_1 + 5x_2 - 6x_3 = 0$ 

$$9) \begin{bmatrix} 0 \\ 4 \\ -1 \end{bmatrix} + x_2 \begin{bmatrix} 6 \\ 3 \end{bmatrix} + x_3 \begin{bmatrix} 5 \\ -\frac{1}{8} \end{bmatrix} = \begin{bmatrix} 0 \\ 0 \end{bmatrix}$$

$$(0) \times_{1} \begin{bmatrix} 1 \\ 1 \\ 8 \end{bmatrix} + \times_{2} \begin{bmatrix} 1 \\ -7 \\ 6 \end{bmatrix} + \times_{3} \begin{bmatrix} 3 \\ -2 \\ -5 \end{bmatrix} - \begin{bmatrix} 9 \\ 2 \\ 15 \end{bmatrix}$$

free 
$$x_3$$
  $x_1 + 5x_3 = 2$   $x_2 + 4x_3 = 3$   $x_3 = 2$   $x_4 = 2 - 5x_3$   $x_5 = 2 - 5x_3$   $x_6 = 2 - 5x_3$   $x_7 = 2 - 5x_3$   $x_8 = 2 - 5x_3$   $x_8 = 2 - 5x_3$  of  $x_1 = 2 - 5x_3$  of  $x_1 = 2 - 5x_3$  of  $x_2 = 3 - 4x_3$  of  $x_3 = 3 - 4x_3$ 

[9] 
$$\frac{3}{2}V_1 = V_2$$
. Span  $(V_1, V_2)$  is a set of points on a live through  $V_1, V_2$  and the origin  $V_1 = V_2$ . Span  $(V_1, V_2)$  is a set of points on a live through  $V_1, V_2$  and the origin  $V_1 = V_2$ . Span  $(V_1, V_2)$  is a set of points on a live through  $V_1, V_2$  and the origin  $V_1 = V_2$ . Span  $(V_1, V_2)$  is a set of points on a live through  $V_1, V_2$  and the origin  $V_1 = V_2$ . Span  $(V_1, V_2)$  is a set of points on a live through  $V_1, V_2$  and the origin  $V_1 = V_2$ . Span  $(V_1, V_2)$  is a set of points on a live through  $V_1, V_2$  and the origin  $V_2 = V_2$ . The set of points on a live through  $V_1, V_2$  and the origin  $V_2 = V_2$  and  $V_3 = V_4$  and  $V_4 = V_4$  and  $V_2 = V_4$  and  $V_3 = V_4$  and  $V_4 = V_4$  and  $V_$