Fino the values of 
$$X$$
, if any for which the vectors  $X_1 = (1,3,4)$   $X_2 = (2,-1,1)$ ,  $X_3 = (1,x,2x)$ 
Are linearly dependent.  $A = x = 3$ 

=> 
$$-7(2x-4) - (-7)(x-3)$$
  
=>  $-14x + 28 + 7x + 21$   
=>  $7x+7 => (-7)(x-1) \neq 0$   
 $x \neq 1$  (for all x)

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