Name:

ID #:

Serial #:

	1	3	-2	
1. [8pts] Use elementary operations to find $A^{-1}$ if $A =$	2	5	-3	
	-3	2	-4	

2. [8pts] Determine if the vectors u = (2, -1, 0), v = (3, 1, 2), w = (0, 5, 4) are linearly independent. If not, write w as a linear combination of u and v.