Assignment 4 Cag
what is a determinant? compute the det(A) using the conference of the det(A) as in the conference of the conference of the det(A) as in the conference of the conference of the conference of the det(A) as in the conference of the c
1. What 15
0030
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
@ let A- Ta b] and k be a scalar find a formula that
Det A = [a b] and k be a scalar find a formula that relates det (KA) to be and det (A).
3 Compute det (A) without lo-factor exponsion.
A1- 5-7 2 2 A2- 1 3 - 1 0 - 2 A2- 1 3 - 1 0 - 2 A2- 1 - 6 A2- 1 - 7
5-803
3 5 5 2 7
G Find the determinants of the following of a bc of =7 (g) Find the determinants of the following of a bc of =7 (g) Find the determinants of the following of a bc o
G Find the determination of determination of the de
2 d 30 36 (b) 2 d 12 20 t 1 (c) [9 6 C]
g h i g h i
B Determine if the set of vectors is linearly independent.
Determine if the set of vectors is unlarry independent. (3,5,-6,4) (2,6,0,7) (-2,-1,3,0), (0,0,0,-3) }
on use Cramer's rule to compute the Soit
(b) (a) 2x, +x2=7 (b) 68x, +4x2=5 (4 8 give +le)
Use (ramer's rule to compute the Soint (b) (a) $2 \times 1 + \times 2 = 7$ (b) $68 \times 1 + 4 \times 2 = 5$ (c) $7 \times 1 + \times 3 = -8$ (d) $7 \times 1 + 28 \times 2 = -2$ (in) fue soin?
Find the area of the parallelograms whose vertices are
(a)(-1,0), (0,5)(1,-4)(2,1) (b) (0,-2), (6,-1)(-3,1) 6,2
(a) (-1,0), (0,5)(1,-4)(2,1) (b) (0,-2), (6,-1)(-3,1) (6,2) 8) find the volume of Parallelopiped with one vertex at origin
and adjacent vertices are: (1,0,-2), (1,2,4) & (7,1,4)