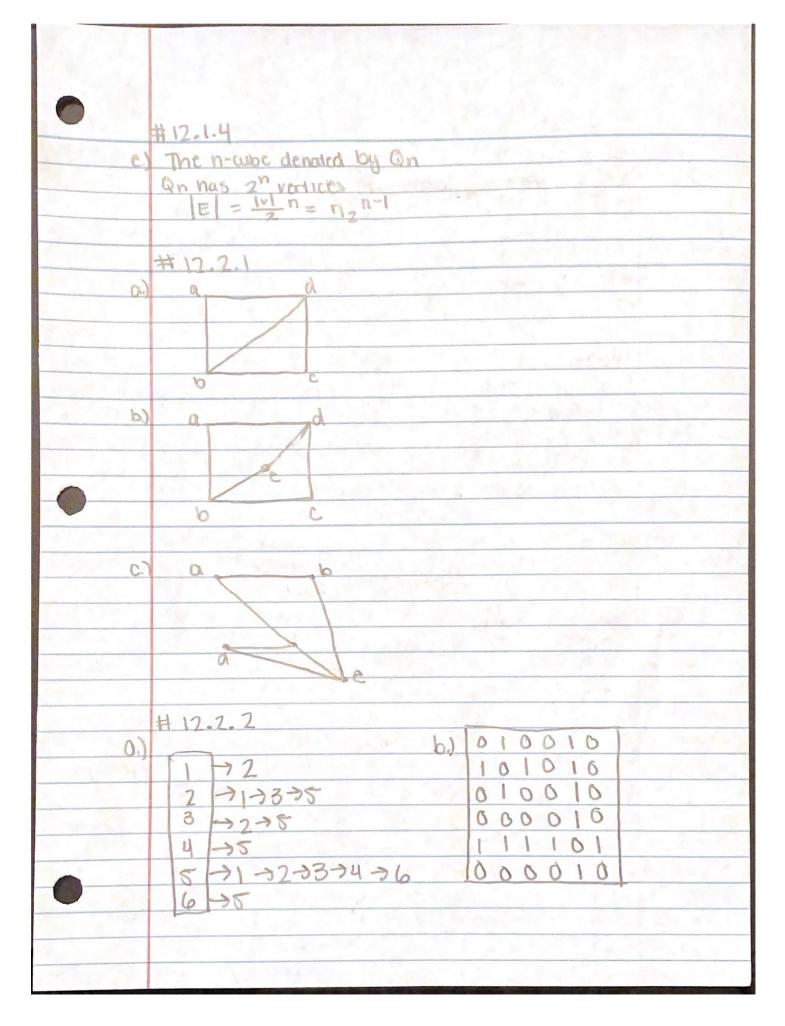
	Jalen Powell 11/14/2021
	Comp 3240
	- Aw 12
	b-1711
	特 12.1.1
-	Degree of vertex 1 = 2  Degree of vertex 2 = 3
S. B. W.	Degree of vertex3=2
	Verlex 4 = 1
	Vertex 5=8
	Vertex to = 1
	2+3+2+1+5+1=14
(0)	The neighbours of vertex 5 = vertex 1, vertex 2,
	vertex 3, vertex 4, vertex 6
(0)	Control Control of the Control of th
	Degree of vertex 10 = 1
d)	The set of vertices adjacent to 3 \$2,5}
e.)	deg (1) = 2 = 3 = deg(2)
	drg (1) = 2 = 3 = deg(2)  Cr is not regular
91	Four Vertices of Ky has 3 edges each
	all four vertices of degree 3.
also 17	Chas no subgraphs of ky type
	CHINO NO SUDGIAPHO DE VA TURE
8.7	

P.) The graph has to ke subgraphs. They are # 12.1.3 a) No it is not possible to have a 3 regular graphs on 5 vertices. For any graphs Cz, the number of add degree Vertices are even. 3 -regular will have on even # of vertices. 0) Total # of edges = 3x4 = 12 V 3,4 is not regular grown Ks,4 is complete bipatite graph b) The graph has v=5 verticies and e=10 edges Ko is not regular graph Vs is complete groph c) Vn = Cn = 3 ol) smallest value for Chis & and Co 7 Q & Co has & verticies but Qo has 8 verticies



	# 12.2.3
0)	graph ?  V= {a,b,c,d}  V'= {a,b,c,d}  V'= {a,b,c,d}
	V= { a,b,c,d} V'= { a,b,c,d}
	E= { 20,03,003
	Ec, d3, 2d, b3, 2d, c35 2c,d5, 2d, b5, 2d, c43
	They are equal
(d	graph 1 graph 2
	v= sa,b,c,d,cs v1= sa,b,c,d,cs
	E= { Sa, of, la, ct, la, of, lb, cs E'= l'a, b2, la, ct, lb, cs
	8 c. 07, 8 c. 03, 8 c. 03
	§ d, c } , 2 d, c }, 2 c, c 3, 2 e, d } £ d, c 3, 2 d, c 3, 2 c, c 3, 2 c, n }  E = E' and V = V'
	They are equal
c)	Edje 3, Ee, as E E' but Edje 3, Ee, as & E  E/E' are not equal
A 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	E/E' are not equal
11	16. 1.7
(7)	The graphs are not equal
	in graphs are no equal
	# 12,4,1
G.)	9 a 1 b 2 a c) {a,b,c,d,e,f}
	Ecidies Eps
	795
	e finding saf
	205