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Please indicate your answers by entering the option ((i), (ii), (iii) or (iv)) where asked. You should append the completed document as a pdf with your type written worked solutions and upload to Blackboard by Friday 22nd of February 2019.

Q 2.31

Part (a):

- (i) 4
- (ii) 13
- (iii) 26
- (iv) 18

Your Answer: ii)

Part (b):

- (i) 0
- (ii) 12
- (iii) 7
- (iv) 4

Your Answer: i)

Q 3.2

Part (a):

- (i) 0.1241
- (ii) 0.8125
- (iii) 0.074995
- (iv) 0.003462

Your Answer: ii)

Part (b):

- (i) 0.72481
- (ii) 0.85261
- (iii) 0.62849
- (iv) 0.17238

Your Answer: ii)

Part (c):

- (i) 0.65782
- (ii) 0.59371
- (iii) 0.45802
- (iv) 0.85261

Your Answer: iv)

Q 4.24

(i)	Inverse(a)=				
C	0.7143 0.2571 0.2286	0.0 0.1000 -0.2000	1.4286 0.2857 0.8571		
I	nverse(b)=				
1.666 0.0	57	2.8889 0.3333	-2.2222 -0.3333	1.0000 0.0	
-0.33 1.500		-0.4444 2.0000	0.1111 -1.5000	0.0 0.5000	
(ii)					
Inve	rse(a)=				
	0.7243	0.0	1.3286		
	2571 0.2386	0.1000 -0.2010	0.2757 0.9571		
]	Inverse(b)=				
1.667		2.9889	3.2222	1.01700	
0.34 -0.34		-0.3433 -0.2879	0.3333 0.2111	0.00371 0.0	
1.240	00	2.0120	-1.5783	0.5600	
(iii)					
Inve	rse(a)=				
C	0.7143	0.003	2.3276		
	.2671 0.2486	0.1100 -0.2110	0.3759 0.9771		
I	nverse(b)=				
1.687		3.9789	3.2002	2.01800	
0.35 -0.34		-0.4433 -0.2999	0.3333 0.3121	0.02371 0.0382	
1.242		3.0130	-1.5733	0.5610	

(iv)

Inverse(a)=

1.01	1.3336
0.1003	0.3857
-0.2110	0.9671
	0.1003

Inverse(b)=

1.6777	4.9889	3.2232	1.11700
0.3443	-0.3443	0.3233	0.07371
-0.3443	-0.2979	0.3211	0.07800
1.2480	2.1220	-1.5883	0.5621

Your Answer: i)