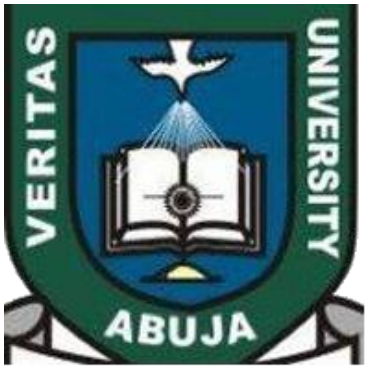

Veritas University

[CSC 333]

[ASSIGNMENT]

Victoria Ojochenemi Audu
VUG/CSC/22/6682
COMPUTER SCIENCE

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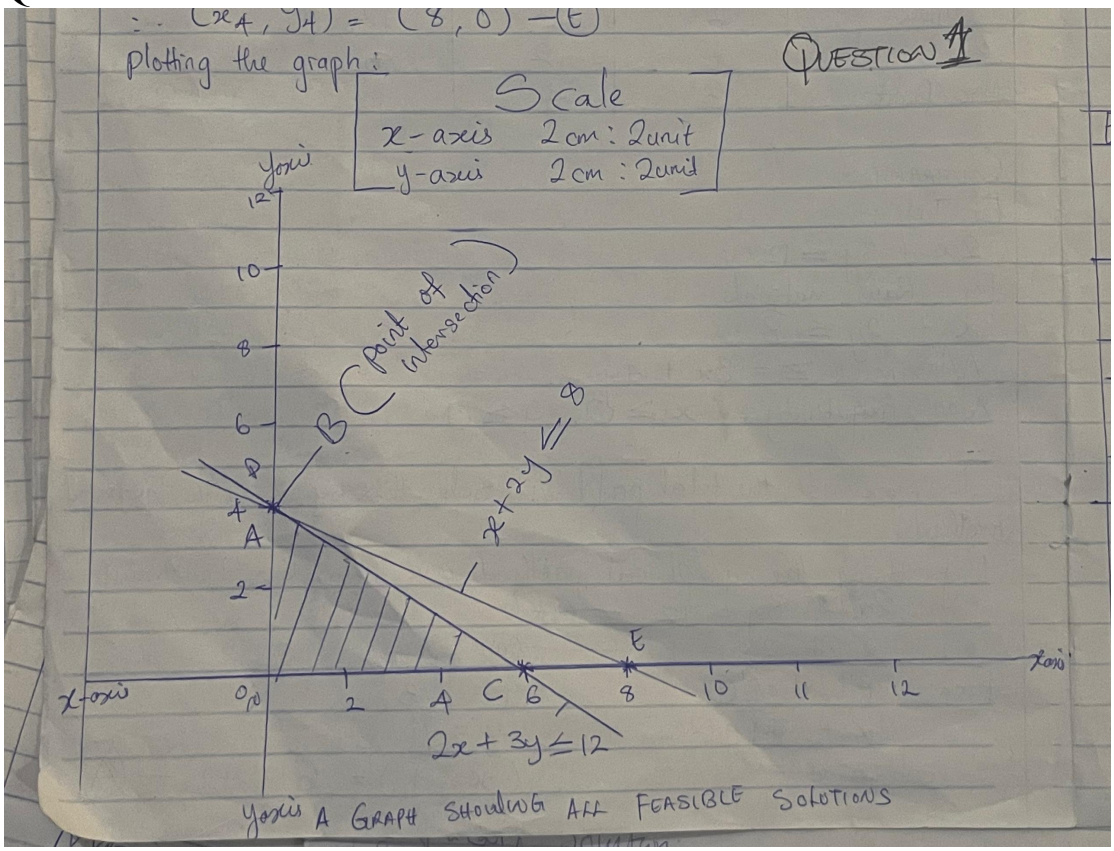
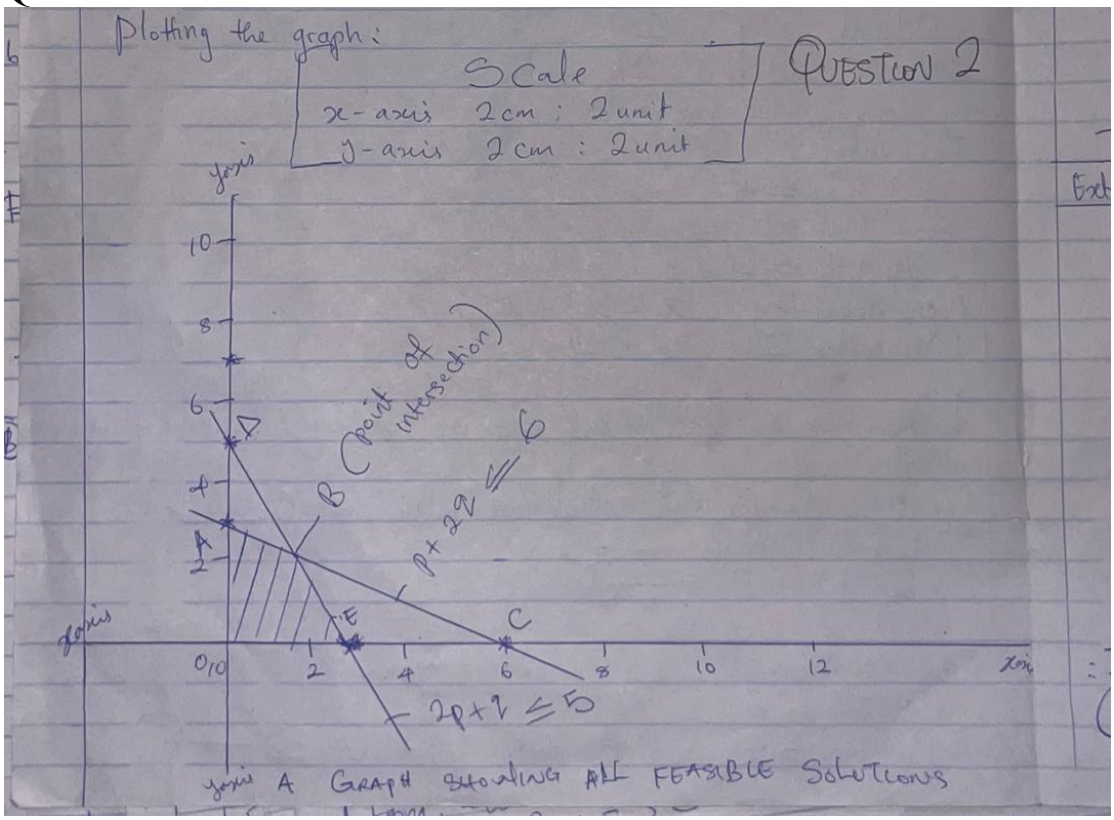
MATRIC NUM: VUG/CSC/22/6682
COURSE CODE: CSC 333
LEVEL: 300 LVL
DEPARTMENT: COMPUTER SCIENCE

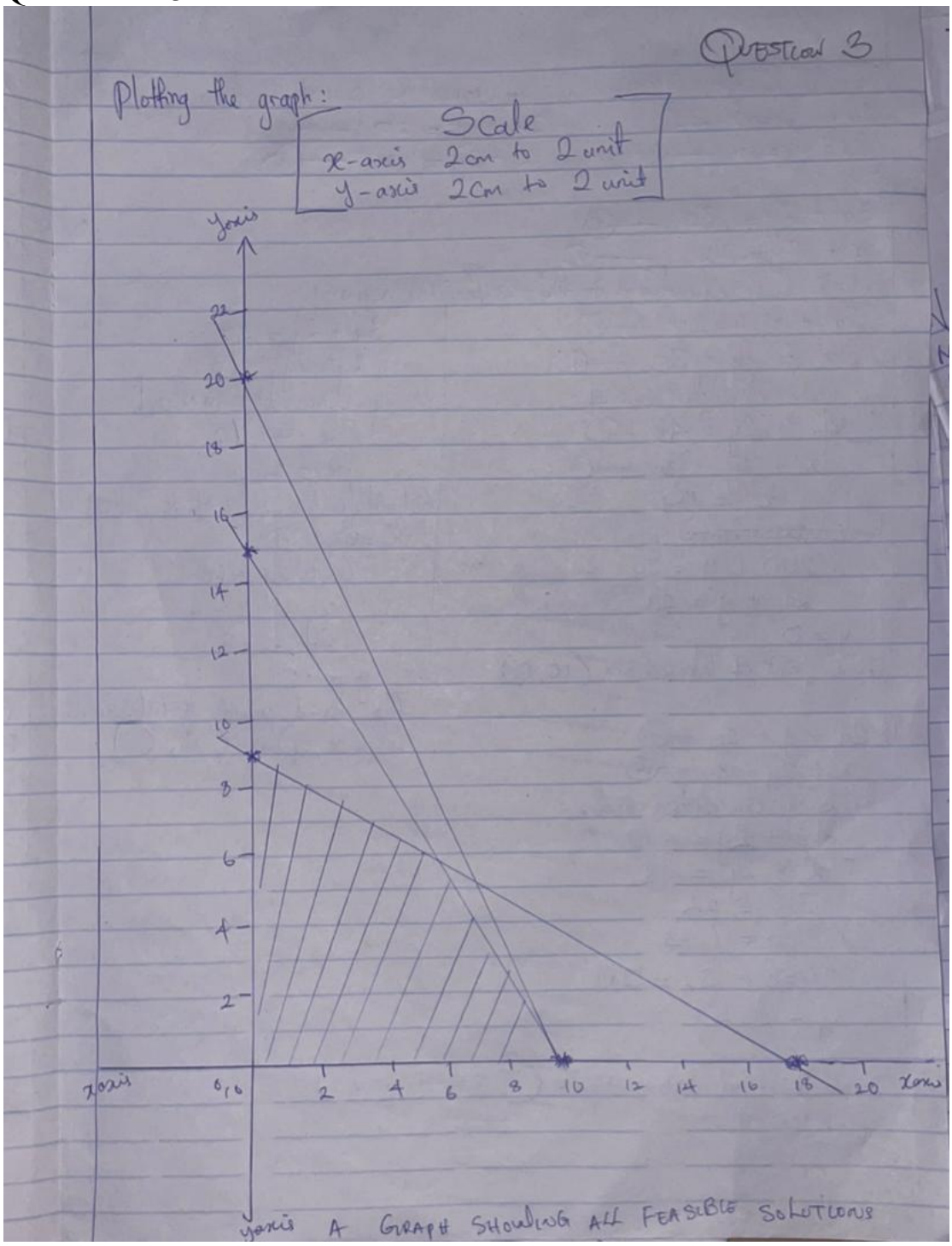
QUESTION 1:



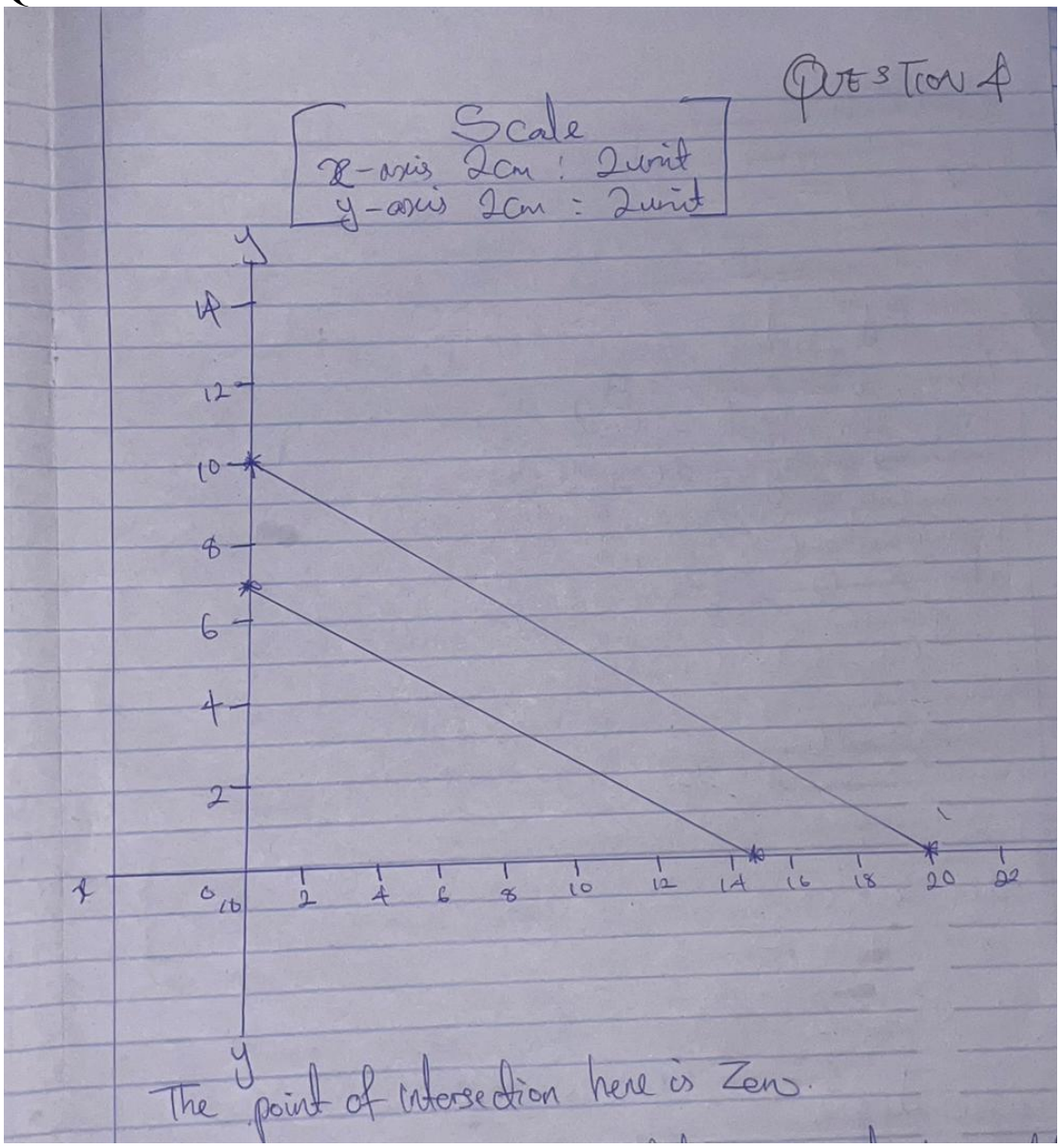
QUESTION2:


Plotting the graph:
Scale
x-axis 2cm : 2unit
y-axis 2cm : 2unit
QUESTION 2
y-axis
10
8
6
4
2
A
B (point of intersection)
C
D
E
p+2q ≤ 6
2p+q ≤ 5
0
2
4
6
8
10
12
x-axis
A GRAPH showing ALL FEASIBLE SOLUTIONS

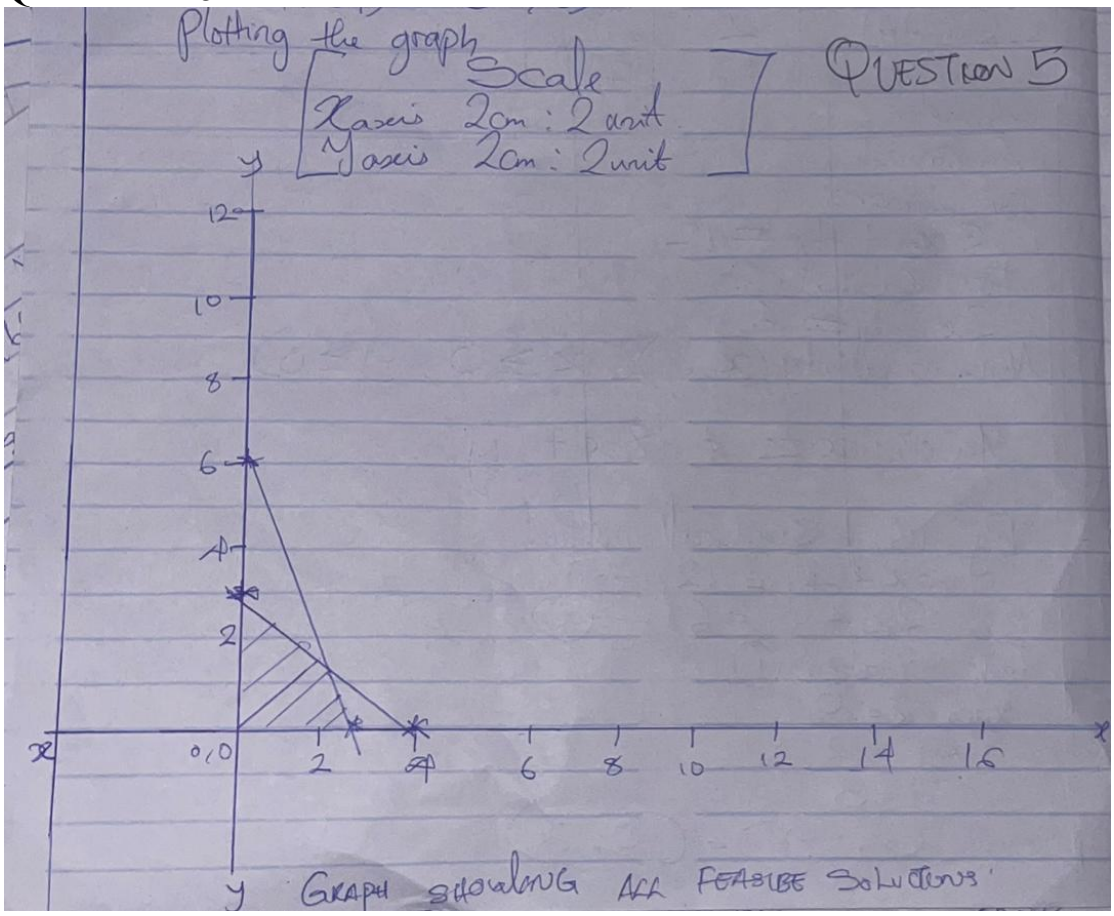
QUESTION 3:


QUESTION 3
Plotting the graph:
Scale
x-axis 2cm to 2 unit
y-axis 2cm to 2 unit
yaxis
22
20
18
16
14
12
10
8
6
4
2
xaxis
0,0
2
4
6
8
10
12
14
16
18
20
xaxis
yaxis A GRAPH SHOWING ALL FEASIBLE SOLUTIONS

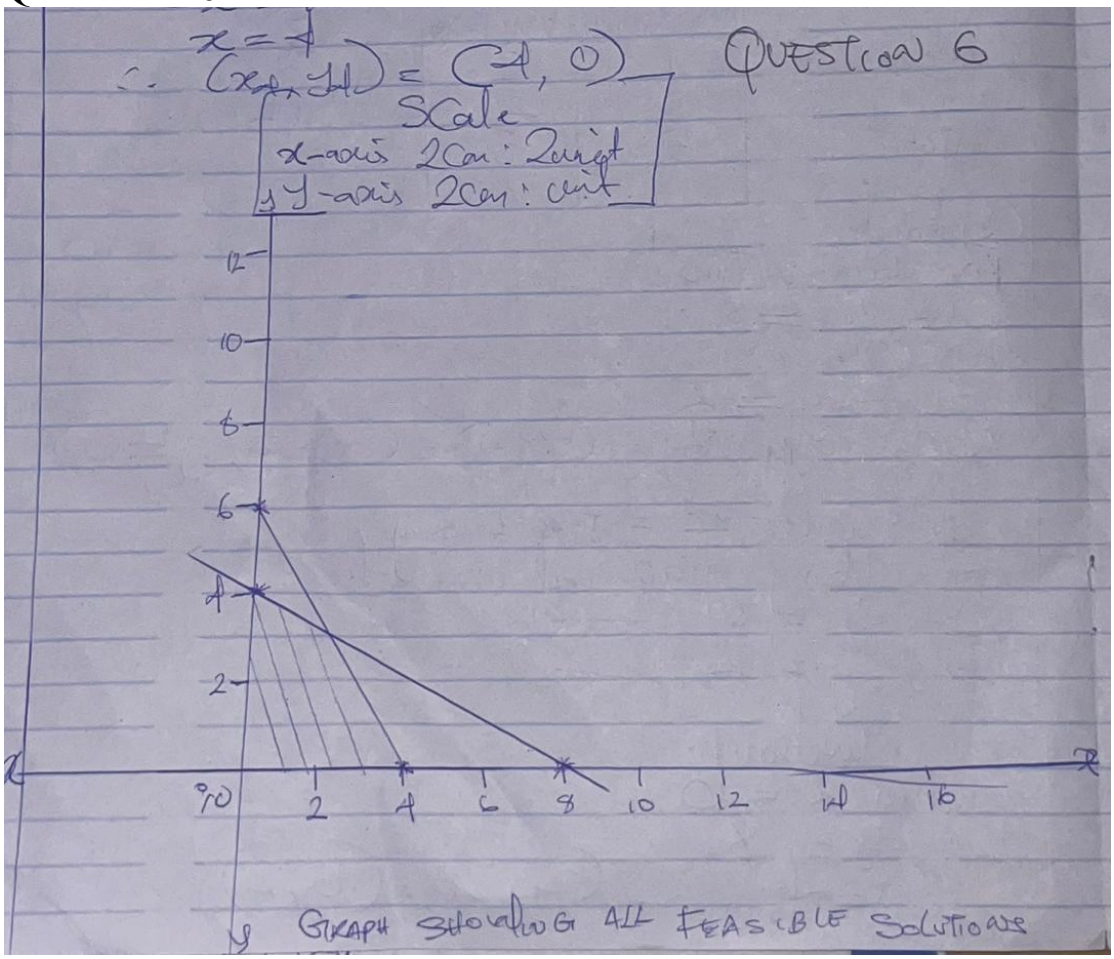
QUESTION 4:


QUESTION 4
Scale
x-axis 2cm : 2unit
y-axis 2cm : 2unit
y
14
12
10
8
6
4
2
x
0
2
4
6
8
10
12
14
16
18
20
22
y
The point of intersection here is Zero.

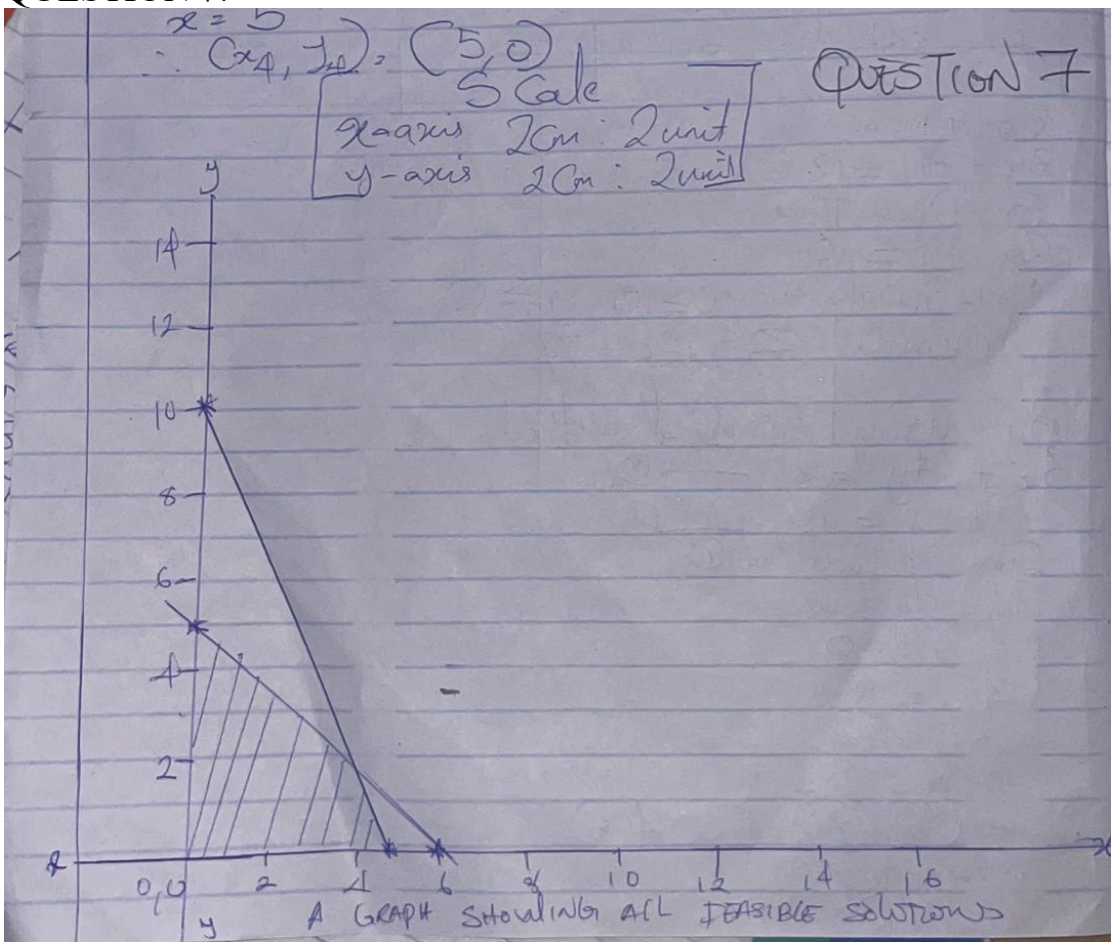
QUESTION 5:


Plotting the graph
Scale
X axis 2cm : 2 unit
Y axis 2cm : 2 unit
QUESTION 5
y
12
10
8
6
4
2
0,0
2
4
6
8
10
12
14
16
x
GRAPH SHOWING ALL FEASIBE SOLUTIONS

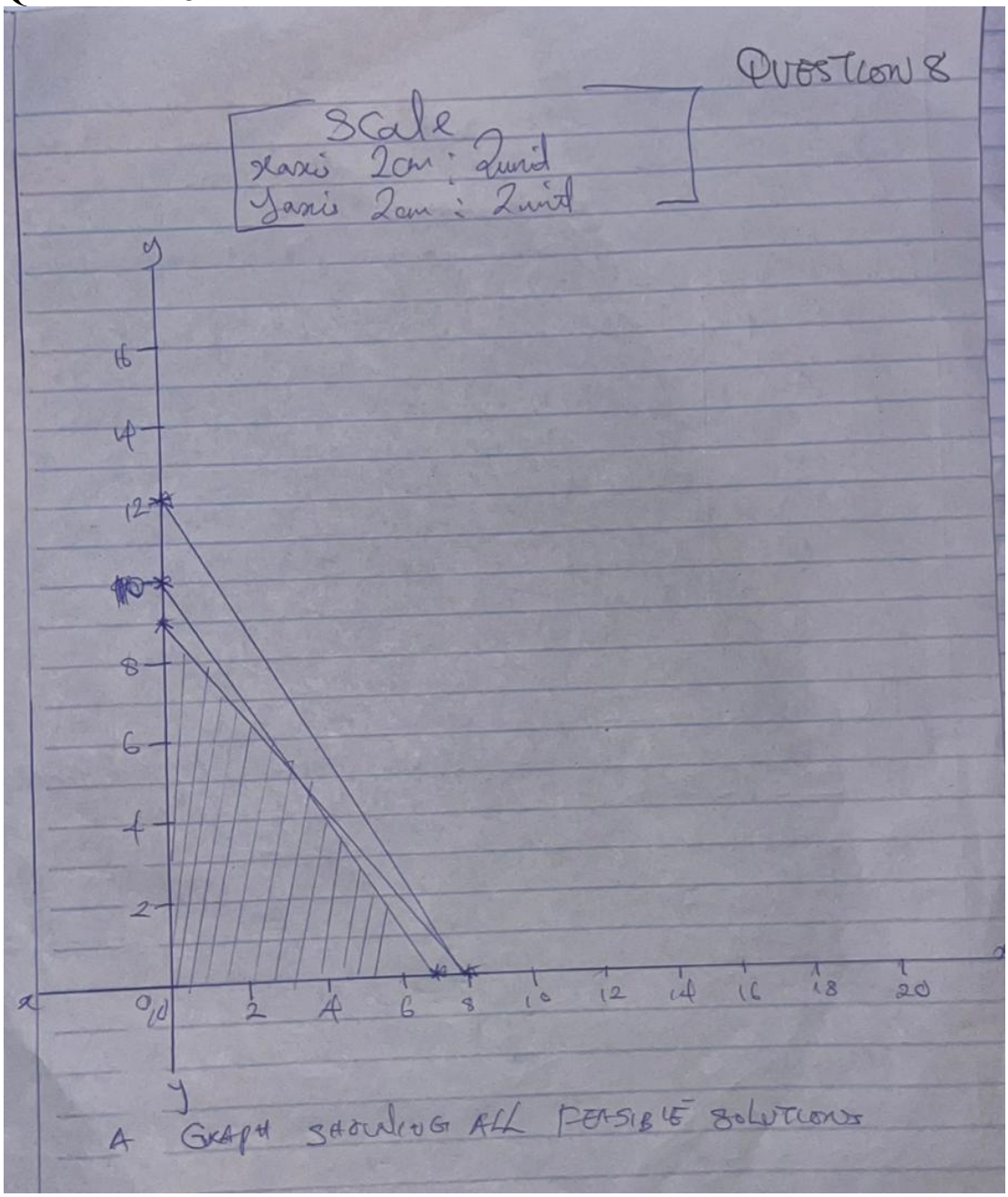
QUESTION 6:


x = 4
∴ (x, y) = (4, 0)
QUESTION 6
Scale
x-axis 2cm : 2unit
y-axis 2cm : unit
12
10
8
6
4
2
0
2
4
6
8
10
12
14
16
x
y
GRAPH SHOWING ALL FEASIBLE SOLUTIONS

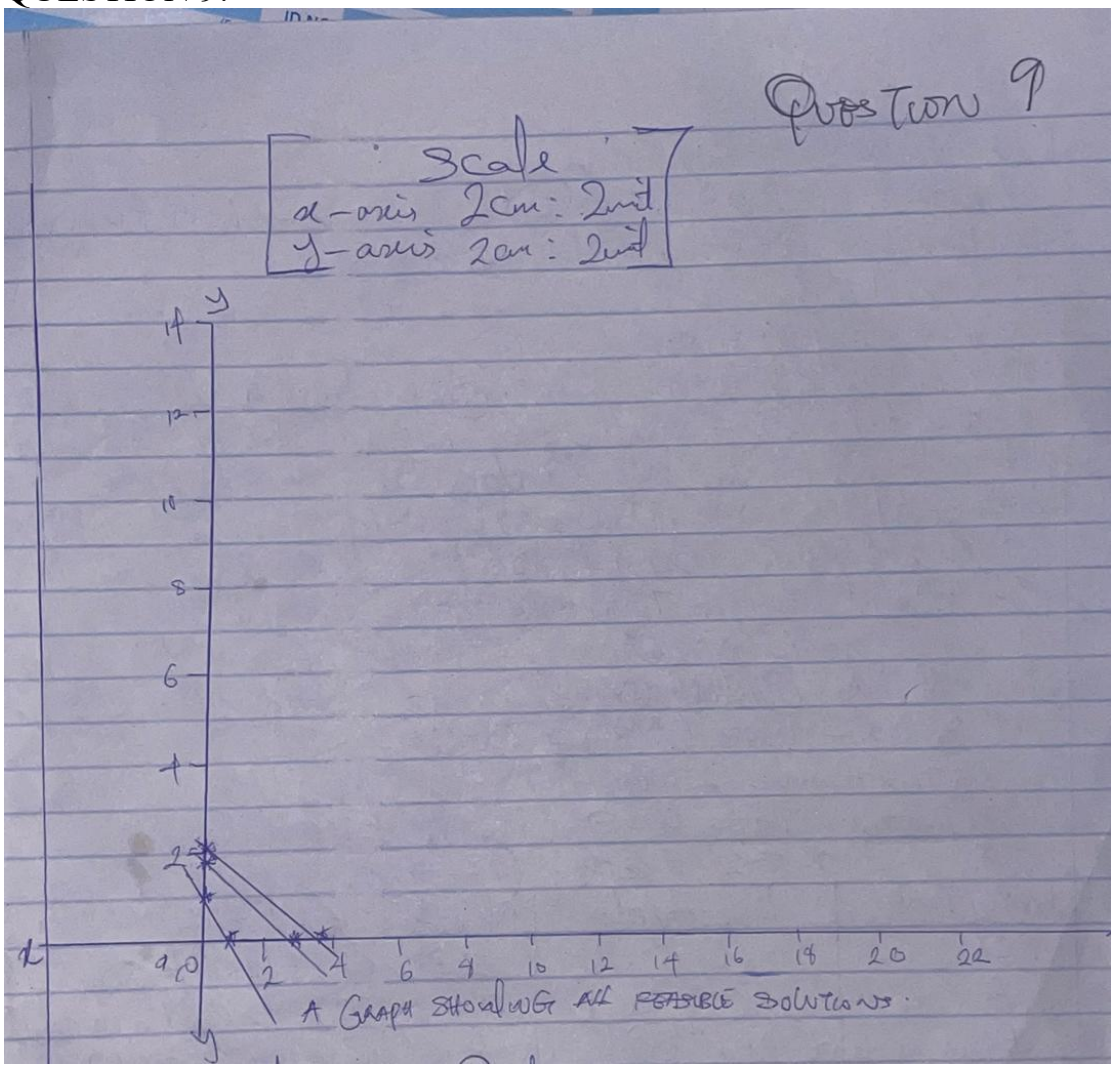
QUESTION 7:


x = 5
(x4, y4) = (5, 0)
Scale
x-axis 2cm : 2unit
y-axis 2cm : 2unit
QUESTION 7
y
14
12
10
8
6
4
2
0,0
2
4
6
8
10
12
14
16
x
A GRAPH SHOWING ALL FEASIBLE SOLUTIONS

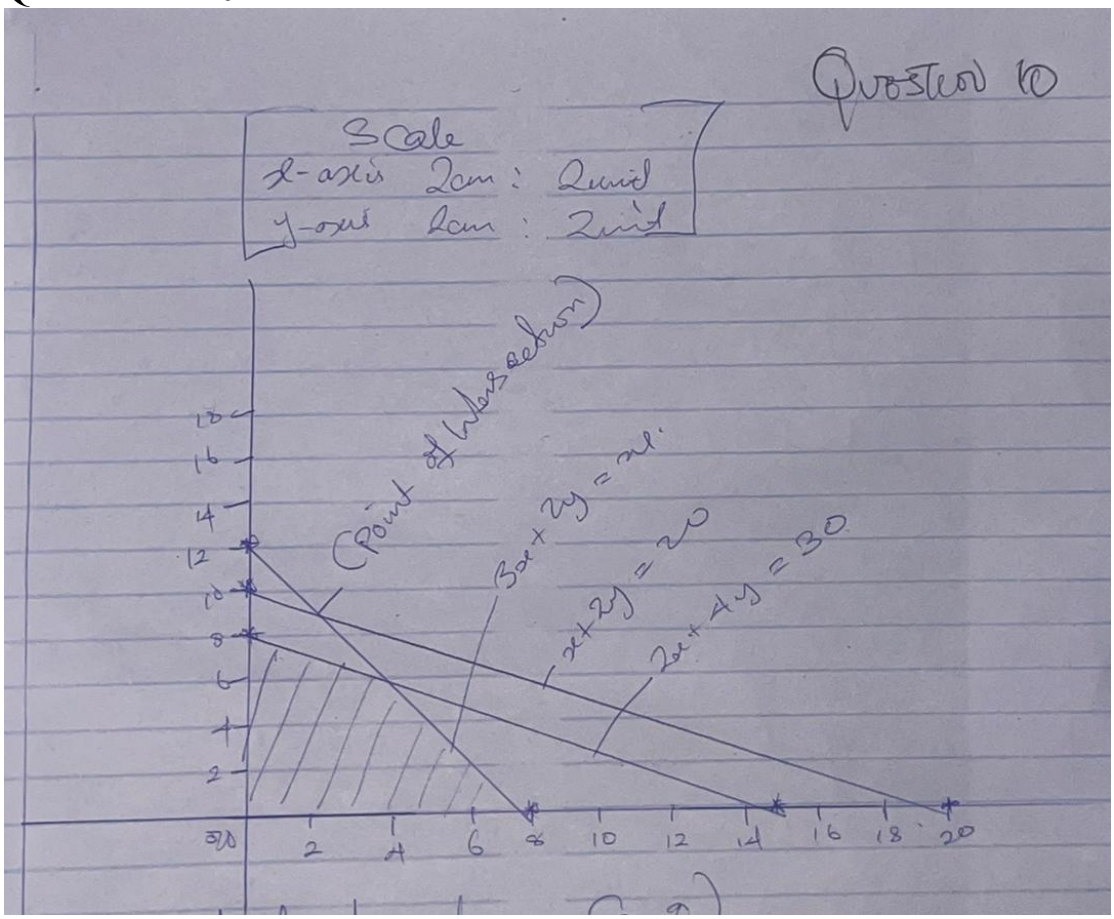
QUESTION 8:


QUESTION 8
Scale
x axis 2cm : 2unit
y axis 2cm : 2unit
y
16
14
12
10
8
6
4
2
0
2
4
6
8
10
12
14
16
18
20
x
y
A GRAPH SHOWING ALL FEASIBLE SOLUTIONS

QUESTION 9:


Question 9
Scale
x-axis 2cm : 2unit
y-axis 2cm : 2unit
y
x
14
12
10
8
6
4
2
0
2
4
6
8
10
12
14
16
18
20
22
A GRAPH SHOWING ALL FEASIBLE SOLUTIONS.

QUESTION 10:


Question 10
Scale
x-axis 2cm : 2unit
y-axis 2cm : 2unit
(Point of intersection)
3x + 2y = 24
x + 2y = 20
2x + 4y = 30
0
2
4
6
8
10
12
14
16
18
20