

**JS 3 MID-TERM HOLIDAY PROJECT FOR TERM 2, 2018 - 2019 SESSION**

**SUBJECT: MATHEMATICS**

1. a. Using a scale of 1cm to 1 unit on both axes, draw the graph of 2x + y = 7 and

x - y = 2 for 0 to +5.

b. Hence use your graph to find the coordinates of the point where the two lines meet.

2. a. Draw the graph of y = x + 2 for values of x from -4 to +4 using a scale of 2cm to 1 unit on both axes.

b. Use your graph to read off :

i. the value of y when x = 3 ii. the value of y when y = 1

iii. the coordinates of the points where the line cuts the axes.

3. The charge C of a cell phone company is partly constant and partly varies as the number of units of call, U. The cost of 90 units is ₦1120 and the cost of 120 units is ₦1216.

a. Find a formula which connects C and U b. Find C when U = 150 units.



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