# The City School 

North Nazimabad Boys Campus
E-Worksheet
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Class: $\underline{8}$
Subject: Mathematics Date: $25^{\text {th }}$ Jan' 2018

Topic: Solving Simultaneous Linear Equations By Graphical Method
Q1: Find the solutions of the given simultaneous equations graphically.
a) $x+y=7$
b) $5 x-4 y=40$
$x-y=3$
$x+4 y=-16$

Q2: Solve the simultaneous equations graphically.

$$
x+y=6
$$

| x | -1 | 1 | 2 | 3 |
| :---: | :---: | :---: | :---: | :---: |
| y |  |  |  |  |

$x-y=-4$

| x | -1 | 1 | 2 | 3 |
| :---: | :---: | :---: | :---: | :---: |
| y |  |  |  |  |

Q3: Draw the graph of the equations on the set of axes.
a) Copy and complete the following table.
$3 x-y=5$

| $x$ | -1 | 1 | 3 | -3 | $x$ | -1 | 0 | 1 | 3 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $y$ |  |  |  |  | $y$ |  |  |  |  |

b) Write down the coordinates of the point of intersection of the two graphs. $\qquad$ .

Q4: Solve the simultaneous equations graphically.

$$
y=x+1
$$

| x | -2 | 0 | 2 |
| :---: | :---: | :---: | :---: |
| y |  |  |  |

$2 x+y=-2$

| x | -2 | 0 | 2 |
| :---: | :---: | :---: | :---: |
| y |  |  |  |

