Name: _____	**Subject:** Math	**Class:** 9th	**Time:** 60 minutes	Total Marks:	**30**
Unit Number: 8		MJDexpert.com		Obtained marks	

Q#1		**Circle the correct option**		**1×6=6**

1. If $(x - 1, y = 1) = (0,0)$, then (x, y) is:

a) $(1, -1)$	b) $(-1,1)$	c) $(1,1)$	d) $(-1,1)$

2. Point $(2, -3)$ lies in which quadrant.

a) I	b) II	c) III	d) IV

3. If $y = 2x + 1$, $x = 2$ then y is:

a) 2	b) 3	c) 4	d) 5

4. Which ordered pair satisfies the equation $y = 2x$?

a) $(1,2)$	b) $(2,2)$	c) $(2,1)$	d) None

5. One mile≈

a) 1.6 km	b) 1.4 km	c) 1 km	d) None of these

6. The line on which origin lies is:

a) $x - y = 0$	b) $x + y = 0$	c) $x = 0$	d) $y = 0$

Q#2	**Attempt all the short questions**	**2×8=16**

i.	Define Cartesian plane.
ii.	Draw the point $(4, -5)$ on the graph paper.
iii.	Draw the graph of $x = -3$ and tell whether it is parallel to $x - axis$ or $y - axis$.
iv.	Verify whether the point $(2,5)$ lies on the straight line or not.
v.	Draw the graph of $y = 2.5x$.
vi.	Draw the graph of $-y = 2x$.
vii.	Find the value of m and c of $3x + y - 1 = 0$
viii.	Define origin and determine the quadrant of the point $P(2, -6)$.

Q#3	**Write detailed answer of the following questions**	**4+4=08**

a)	Find the value of m and c of $2x + 3y - 1 = 0$ by expressing in the form of $y = mx + c$.
b)	Solve the pair of equation $x + y - 1 = 0$ and $x - y + 1 = 0$ in x and y graphically.