

G.V.M'S G.G.P.R. COLLEGE OF COMMERCE & ECONOMICS
FARMAGUDI, PONDA
INTRA SEMESTER ASSESSEMENT TEST - I
B.COM. SEMESTER II JANUARY 2013
MATHEMATICAL TECHNIQUES

MARKS:- 10

Duration:- 30 minutes

Answer the following:

(2 mks each)

- 1) If the distance between $(a, 6)$ and $(3, 2)$ is 5, find a .
- 2) Find the equation of the line passing through the origin and parallel to a line with slope $-1/3$?
- 3) $A(2, 4)$ is a point and line AB is perpendicular to x-axis. If the y-coordinate of B is -5 , find the x-coordinate of B.
- 4) Find the slope of the line making equal positive intercepts on the axes.
- 5) Represent $x + 3y \geq 3$

$$2x + y \geq 2$$

$$x \geq 0, y \geq 0 \text{ graphically.}$$

**** best of luck ****