The City School

North Nazimabad Boys Campus

Subject: Add Maths

Ms Sheema Aftab

 Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Class 9/ Sec\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_\_

Q1: If (3, 4) is a solution of the simultaneous equations

$x^{2}$+ xy+ py = q

 $2px+3y=q$

Find the value of ***a*** and ***b***. Find also the other solution.

Q2: Find the coordinates of the points of intersection of the curve $x^{2}$+ $y^{2}$= 6 and the straight line 2x – y = 1.

Q3: Given that y = ($8)^{x+3}$ , find, without using a calculator, the value of y when x=6.

Q4: By rationalizing the denominators, simplify the following:

$$\frac{4-2\sqrt{5}}{ 5+2\sqrt{5 }}$$

Q5: What are logs of the following?

1. log4(256)
2. log5(0.0016)
3. log3(729)

Q3: Write the following in logarithm form:

 0.0016 = 5-4

Q4: Write log3 (2,187) = 7 in exponential form