The City School

North Nazimabad Boys Campus

# Subject: Mathematics

# Class: 9 S & E Ms Sheema

# Final Term 2016

# Name :\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Class 9/Sec:\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_ Max. Marks [20]

# Q1.Find the distance between the following pair of points:A(10, 10) and B(10, -2). (3)

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| |  |  |  |  | | --- | --- | --- | --- | | Q2. | |  |  | | --- | --- | | http://www.regentsprep.org/regents/math/geometry/gcg2/Treesongrid.gif | Mark planted two trees on a planning grid at coordinates (0,8) and (12,4).  He wants to plant a row of hedges such that any hedge is the same distance from each of the two trees.  a.  Determine the midpoint of the line segment connecting the two trees. b.  Determine the slope of the line connecting the trees. c.  Determine the slope of the row of hedges. d.  Write an equation for the row of hedges.  (8) | |   Q3: Randy is graphing a rectangle on a coordinate plane. Three of the vertices are located at (2,3), (-2, 3), (2, -3).What are the coordinates of the fourth vertex? (3)  Q4: Given PQR XYZ, write down (6)   1. the length of XY; 2. the length of ZY; 3. the value of <P; 4. the value of <Z; 5. the value of <Y;   Write down the related property. |
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