The City School

North Nazimabad Boys Campus

**Topic : Mid-Point of a Line Segment**

**Class 9**

Q1: Find the midpoint of the segment connecting the points (6,4) and (3,-4).

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| Q2: Find the midpoint of the segment connecting the points  (a,b) and (3a,c). |
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 Q3: *M* is the midpoint of http://www.regentsprep.org/regents/math/geometry/gcg2/pracMi3.gif.  The coordinates of *A* are (2,3) and the coordinates of *M* are (4.5,6). Find the coordinates of *B.*

Q4: *http://www.regentsprep.org/regents/math/geometry/gcg2/pracMi4.gif*is the diameter of a circle whose center is the point (2,1).If the coordinates of *C* are (0,-2), find the coordinates of *D.*

Q5: M is the midpoint of http://www.regentsprep.org/regents/math/geometry/gcg2/pracMi3.gif. The coordinates of A are (-2,3) and the coordinates of M are (1 ,0). Find the coordinates of B.

Q6: The coordinates of quadrilateral ABCD are A(-3, -1), B(3, 1), C(7, 5) and D (1,3). Do the diagonals bisect each other?

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