INDIAN SCHOOL SOHAR **SET 1**

FORMATIVE ASSESSMENT III (2015 – 16)

MATHEMATICS

Class: IX **Marks: 20**

Date: 10.11.2015 **Time: 40 minutes**

General Instructions:

a. The question paper has 9 questions in all. All questions are compulsory.

b. Marks are indicated against each question.

1. Find one solution of $3x - 2y - 12 = 0$ 1
2. How many linear equations in x and y satisfied by $x = 2$ and $y = 5$? 1
3. ABCD is a parallelogram. $\angle B = 110$. Find $\angle A + \angle C$. 1
4. If the point $(2k - 3, k + 2)$ lies on the graph of the equation $3x + 2y + 10 = 0$, find the value of k. 2
5. Prove that diagonals of a square are equal. 2
6. Show that the quadrilateral formed by joining the mid points of the sides of a rectangle is a rhombus. 3
7. Cost of 1 bat is x and that of 1 ball is y. Cost of 1 bat and 2 balls together is Rs 600. Write a linear equation which satisfies this data. Draw the graph for the same. 3

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INDIAN SCHOOL SOHAR **SET 2**

FORMATIVE ASSESSMENT III (2015 – 16)

MATHEMATICS

Class: IX **Marks: 20**

Date: 10.11.2015 **Time: 40 Minutes**

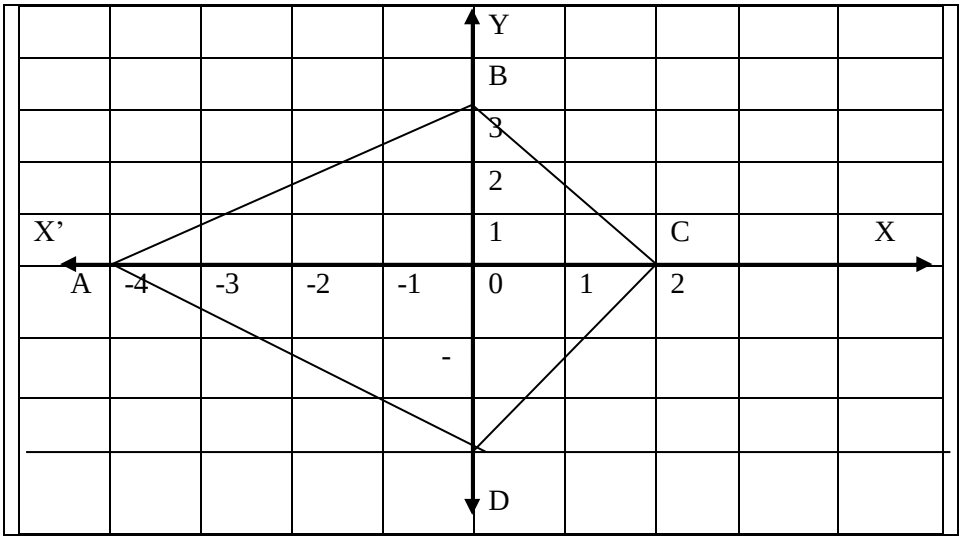
General Instructions:

a. The question paper has 9 questions in all. All questions are compulsory.

b. Marks are indicated against each question.

1. PQRS is a parallelogram. $\angle Q = 100$. Find $\angle P + \angle R$. 1
2. Find one solution of $2x - y = 4$. 1
3. How many linear equations in x and y satisfied by $x = 1$ and $y = 2$? 1
4. If the point $(2p - 3, p + 2)$ lies on the graph of the equation $2x + 3y + 15 = 0$, find the value of p. 2
5. Prove that diagonals of a rectangle are equal. 2
6. Cost of 1 bat is x and that of 1 ball is y. Cost of 2 bats and 1 ball together is Rs 400. Write a linear equation which satisfies this data. Draw the graph for the same. 3
7. Show that the quadrilateral formed by joining the mid points of the sides of a rectangle is a rhombus. 3

8. ABCD is a kite. Write equation of its diagonals. Also find its area. 3



9. Prove that a line segment joining the mid points of any two sides of a triangle is parallel and half of its third side. 4

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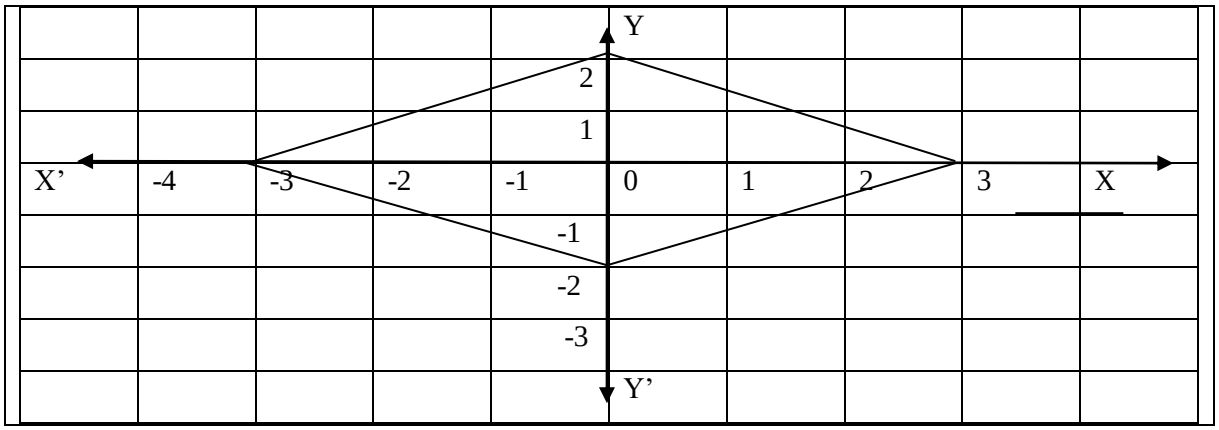
8 PQRS is a rhombus. Write equation of its diagonals. Also find its area. 3



9. Prove that a line segment joining the mid points of any two sides of a triangle is parallel and half of its third side. 4

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