NAME		ROLL NO	

INDIAN SCHOOL MUSCAT
MIDDLE SECTION
FIRST PERIODIC TEST 2019-20
<u>MATHEMATICS (SET-A)</u>

Code:MXM01

CLASS 8

Time Allotted: 40 Minutes

19.05.2019

Max .Marks: 20

General Instructions.

1.The question paper comprises of **three sections A ,B**, and **C**. You have to attempt all the sections.

2.**All** the questions are **compulsory**.

3.**All the answers should be written in the answer sheet provided.**

| Q.NO1	<u>SECTION A - FILL IN THE BLANKS ('1' MARK EACH) – TOTAL – 04 MARKS</u>	Marks
(a)	Find the product of the rational number $\dfrac{-3}{8}$ with its reciprocal.	1
(b)	PQRS is a square, its diagonals PR = 12cm and QS = (2a +2)cm ,Find the value of QS.	1
(c)	Name the property used in the statement $\dfrac{-5}{9} \times \left(\dfrac{4}{15} \times \dfrac{-9}{8} \right) = \left(\dfrac{-5}{9} \times \dfrac{4}{15} \right) \times \dfrac{-9}{8}$	1
(d)	What is the sum of the exterior angles of a regular polygon if its each interior angle is 60^0 ?	1

Q.NO2	<u>SECTION B – ('2' MARKS EACH) – TOTAL – 10 MARKS</u>	Marks
(a)	Find the number of sides of a regular polygon whose each interior angle has a measure of 135^0 .	2
(b)	Find four rational numbers between $\dfrac{-2}{3}$ and $\dfrac{-4}{5}$.	2
(c)	Two adjacent angles of a parallelogram are $(2y)^0$ and $(4y)^0$. Find all angles of the parallelogram.	2
(d)	Simplify : $\dfrac{-12}{20} + \left(\dfrac{2}{-5} \div \dfrac{4}{3} \right)$	2
(e)	Find the number of diagonals for an octagon.	2

Q.NO	<u>SECTION – C ('3' MARKS EACH) – TOTAL – 06 MARKS</u>	Marks
3	Simplify using suitable property. $\left(\dfrac{-5}{3} \times \dfrac{8}{7} \right) -- \left(\dfrac{1}{14} \times \dfrac{5}{3} \right) + \left(\dfrac{-5}{3} \times \dfrac{2}{7} \right)$	3

4 **a) In a parallelogram ABCD , the diagonals meet at O, AO = y+4 and CO = 16cm**   **3**
    BO = x +y and OD = 19cm. Find the value of x,y.Give reason.
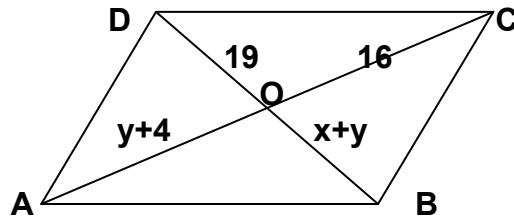
b) Name the quadrilateral whose diagonals are unequal but are perpendicular bisectors of each other.

End of the question paper.