ST. LAWRENCE HIGH SCHOOL

TOPIC- Mid point theorem

Sub: Mathematics **Class: 9** **F. M. 15**

WORK SHEET NO. -23 **Solution** **Date: 2.5.2020**

Q.1) Choose the correct options: 1x15=15

i) In the Parallelogram ABCD, P and Q are mid points of AD and BC. Then AQ and CP___BD.
b)trisect

ii) C is the mid point of line AB. XY is any straight line. From A, B, C the perpendiculars AP,BQ and CR are drawn on XY. Then AP +BQ =
b)2CR

iii) The quadrilateral formed by joining the mid points of the sides of the square form a____.
a) square

iv) The quadrilateral formed by joining the mid points of the sides of rhombus is a_____.
b) rectangle

v) In triangle ABC, the mid points of BC is O and BP and CP are perpendicular on a straight line through A. Then OP____OQ.
a) equal

vi) In triangle ABC, AD is the perpendicular upon the bisector of<ABC. The line DE through D parallel to BC is drawn which meets AC at E. Then AE____EC.
a)equal

vii) In triangle ABC, P is the mid point of BC. Through P, the lines parallel to AC and AB are drawn which meet AB and AC at Q and R. Then QR_____ to BC.
a)parallel

viii) In triangle ABC, E is the mid point of median AD. Extended BE intersect AC at F. Then AF is equal to
c)1/3 AC

ix) In triangle ABC, D, E, and F are the mid point of sides AB, AC and BC. Then DE and EF will____each other.
a) bisect

x) The line segment joining the mid points of two oblique sides of a trapezium is_____to the parallel sides.
a)parallel

xi) AD is a median of triangle ABC. O is the mid point ofAD. Extended BO intersect AC at point E . Then BO =____.
c)3OE

xii) In equilateral triangle ABC, mid point of BC, CA, and AB are D, E, and F. Then AEDF is
a)rhombus

xiii) P and Q are the mid points of AB and AC of triangle ABC. The median AD intersect the line segment PQ at O. If BC =12cm then OP=
b)3cm

xiv) If the two medians of a triangle are equal then the triangle is
a)isosceles

xv) In triangle ABC, AC=8cm and BC =6cm. From the mid point D of AB, DE is drawn ll BC which intersect AC at E then DE =
b)3cm

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