

ST. LAWRENCE HIGH SCHOOL

TOPIC- Mid point theorem			
Sub: Mathematics	Class: 9	F. M. 15	
WORK SHEET NO20		Date: 29.4.2020	
 Q.1) <u>Choose the correct options</u>: i) The join of mid point of any tw it. 		is parallel to the third side and	isof
a)1/2 b)1/4 c)1/3 ii) BE and CD are two medians of a)2 m b) 4cm c)5cm	triangle ABC. If the len	gth of BC =11cm then DE =	
iii) In triangle PQR, S is the mid po =3.5cm then the length of PR	oint PQ. The line throug will be	h S parallel to QR meets PR at	T. If PT
a) 4cm b) 6cm c) iv) PQR is an equilateral triangle.		its S and T are such that ST nar	allel to OR
If ST =5cm then PS=		to o und i dre oden that of par	
a) 10 cm b) 20cm c)	-		
v) In triangle PQR, S and T are the	e mid points of PQ and	PR. If QR +ST =12units then	QR - ST
will be units.			
a) 4 b) 8 c) 15 d)			
vi) In triangle PQR, D, E, F are the		and RP. Also $EF = 4$ cm, $DF = 4.50$	cm. If the
perimeter of triangle is 27cm, then DE a)4cm b) 5cm c) 6cm			
		the lines narallel to AC and AB	are drawn
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 b)perpendicula			
viii) In triangle ABC, D, E and F are		sides BC, CA, and AB. If the pe	rimeter of
the triangle ABC is 18cm then the perimeter of triangle DEF is			
a)4.5cm b)8cm c)9cm	n d)10cm		
ix) In triangle ABC, D, E, and F are	e the mid point of sides	BC, CA and AB. If EF intersect	AD at the
point O and AD =8cm then AO =			
a) 3cm b) 6cm c) 40	•		
x) AD and BE are two medians of	of the triangle ABC. The	straight line through D paralle	el to BE
intersect EC at F. If AC =8cm then EF = a)4cm b)2cm c) 1cm	n d) 2.5cm		
xi) BE and CD are two medians of	•	O are the mid point of AD and	AF then PO
is equal to			
a)BC b)1/2BC c)1/3 BC	d)1/4 BC		
xii) In equilateral triangle ABC, m		AB are D, E, and F. Then AEDF	is
a)rhombus b)square c)t	rapezium d) parallelo	ogram	
xiii) In triangle ABC, D and E are t		es AB and AC. If DE =8cm, BC =	
a)16cm b)8cm c)4cm	d)2cm	tuionala ia	
xiv) If the two medians of a trian		-	
a)isosceles b)equilateral xv) In triangle PQR, PQ =10cm ar		scalene joint of PS is T. OT produced m	oots DR at
	ia riv =15cm. me miu p	one of r 5 is r. Qr produced m	cets rivat

X. Then PX =

a)2cm b)2.5cm c)4cm d)5cm.