



ST. LAWRENCE HIGH SCHOOL

TOPIC – Transversal & Midpoint Theorem

Subject : Mathematics	Class-9	Second termF. M. 15	
WORKSHEET NO 1	Solutions	Date: 14.05.2021	
Q.1) Choose the correct option:			(1x15=15)
i) QS and RT are two medians of b) 50°	Δ PQR. If <u>/PQR</u> =	50°, then the value of <u>/PTS</u> is	
,	BD and CE are tw	o medians. Then the value of <u>/AED</u>	is
iii) BE and CD are two medians of Δ c)5 cm	ABC. If the length	n of BC is 11 cm, then the length of I	DE will be
iv)In Δ PQR, S is the midpoint of PQ. PR will be	The line through	S parallel to QR meets PR at T. If P	Γ = 3.5cm, then length of
a)7 cm v)PQR is an equilateral triangle. On I of PS will be d)5 cm	PQ and PR two po	oints S and T are such that ST // QR.	If ST = 5cm, then length
vi) PQR is a rt. angled triangle, where	e <u>/Q</u> = 90°. S is th	ne midpoint of PR, where PR = 12 cr	m. Then length of QS is
vii)The length and breadth of a recta and F. Then length of EF will k	•	4 cmand 10 cm. The midpoints of th	ne sides AB and BC are E
b) 13 cm			
viii)In Δ ABC, X is the midpoint of AB then length of AY will be	_	h X parallel to BC meets AC at Y. If A	AC = 10 cm, and XY = 6cm,
c)5 cm ix) In Δ PQR, D, E ,F are the midpoi 27 cm, then DE = a)5 cm	nts of PQ , QR an	d RP. Also EF = 4cm, DF = 4.5 cm. If	the perimeter of Δ PQR is
x)The length of a rectangle is 5 cm. Then of the diagonals is 2 cm. Then c)3 cm	•		the point of intersection
•	oints of the sides	PQ and PR. If QR + ST = 12 units, the	en QR – ST will be
•	oints of the sides	AB and AC. If length of DE is 8cm, the	ne length of BC is cm.
xiii)In \triangle MNP, R and S are the midpo c)80°	ints of MN and N	IP. If <u>/MRS</u> = 70°, and <u>/RMS</u> = 30°, tl	hen <u>/MPN</u> will be
•	PR = 10 cm. If S i	s the midpoint of PR, then length o	f QS is
-	of the median Al	D, the extended BE intersects AC at	the point F. If AC= 10.5 cm

-Chaitali Roy