

ST. LAWRENCE HIGH SCHOOL

TOPIC- Theorems on Area

Sub: Mathematics		hematics	Class-9	F.M15.
Work Sheet -27		eet -27	Solution	Date: 14.5.2020
1.	Choose (i)		parallelogram ABCD is 32 sq cm . E will be sq cm.	is the mid point of the side BC. Area
	(ii)	then the area o	, P is the mid point of median AD. If f the triangle BPD is : sq cm.	f the area of triangle ABC is 24 sq cm,
	(iii)	•	al BCFE and triangle BCD is :	ts of AB and DC. Ratio of the areas of
	(iv)	on AB. If AE=2E	, D is the mid point of the side BC. F B and area of triangle ABC is 36 sqc 2 sq cm.	From the point D ,DE is perpendicular om then area of triangle ADE is :
	(v)		area of triangle ABC will be sq	ooint of BC. If the area of triangle GBD cm.
	(vi)	Then the area o	triangle ABC, <b 90="" =="" b<br="" degree="" the="">of the triangle is : sq m	ase BC is 15m, hypotenuse AC =17m.
	(vii)	ABCD is a parall then area of tria b)14 s	angle AEF is:	DE. If area of triangle ABD is 28 sqcm
	(viii)	AD is a median triangle ABC is ' c)b=2	•	ABD is ' a' sqcm and the area of
	(ix)		square is equal to the area of such a of each side of the square will be : m	a triangle whose area is 81 sq cm,
	(x)		ersection of the medians of a triang	gle ABC is G. If the area of the triangle

b) 20

(xi)	In a triangle ABC , D,E,F are the triangle CDF is 7 sq cm then t d) 28		BC ,CA ,and AB. If the area of sq cm.
	In triangle PQR, O is a point on le PQO and triangle POR is : b)3:2	the side QR such that 2C	QO=3OR. Then the ratio of the
(xiii) II BC=12 cm ther		ch points on AB and AC th	at triangle DBC =triangle EBC. If
(xiv) area of the par		ame parallels ,the area of	f the triangle will be of the
(xv)	The median of a triangle divi a)two	des the triangle into	triangles of equal area.
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