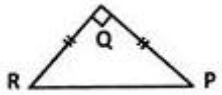
WORK SHEET-4/4

QUESTIONS

1) Construct $\triangle XYZ$, if it is given that XY=8cm m$\angle ZXY=60^0$ and m$\angle XYZ=80^0$

2) Construct $\triangle LMN$, right angled at M, given that LN=10cm and MN=8cm

MCQ-4

	Choose the Correct Answer: (10x1 = 10 Marks)				Answer
1.	In ΔRST, RS = 5 cm, and ∠SRT = 45° and ∠RST = 45°. Which criterion can be used to construct ΔRST?				
	(a) A.S.A. criterion	(b) S.A.S. criterion	(c) S.S.S. criterion	(d) R.H.S. criterion	( )
2	Which vertex of ΔABC is right angled if AB = 8 cm, AC = 6 cm and BC = 10 cm				
	(a) ∠C	(b) ∠A	(c) ∠B	(d) A or C	( )
3	An isosceles triangle is constructed as shown in the figure.  Which of the given statements is incorrect?				
	(a) PR is the hypotenuse of ΔPQR	(b) ΔPQR is an equilateral triangle	(c) ΔPQR is a right angled triangle	(d) If right angled ΔPQR has its equal angles measuring 45° each	( )
4	Pythagoras property can be used when the given triangle is				
	(a) acute angled Triangle	(b) Right angled Triangle	(c) Obtuse angled triangle	(d) None of the above	( )
5	The side opposite to 90^0 in a right triangle is				
	(a) Hypotenuse	(b0 shortest side	(c) diagonal	(d) None of the above	( )
6	If one of the interior opposite angles is 70^0 and its exterior angle is 150^0, then its other interior opposite angle is				
	(a) 70^0	(b) 80^0	(c) 150^0	(d) can't determine	( )
7	If two sides of a right triangle are 3cm and 4cm, then its third side will be				
	(a) 7cm	(b) 4cm	(c) 5cm	(d) None of the above	( )
8	If two angles but not the included side are given, then the congruence criterion may be used is				
	(a) AAA	(b) AAS	(c) SSA	(d) SAS	( )
9	The following is not the congruence criterion				
	(a) SAS	(b)ASA	(c) SSS	(d) AAA	( )
10	The following statement is TRUE.				
	(a) The perpendicular and perpendicular bisector are same	(b) The median and altitude of any triangle are same	(c) The perpendicular bisector divides the line segment into three equal parts	(d) the perpendicular divides the line at right angles	( )

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