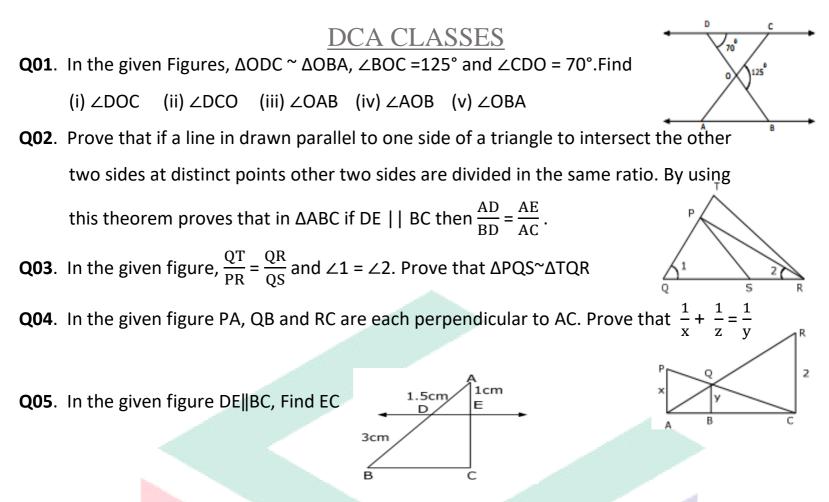
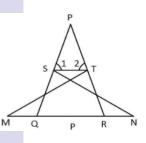
DCA CLASSES CLASS X – MATHEMATICS – CHAPTER 06 TRIANGLES

IRIANGLES					
Name	2:			Date:	
CHOOSE THE CORRECT OPTION FROM QUES 1 TO 9					
Q01 . In the fig \triangle ABC ~ \triangle EDC, if we have AB = 4cm, ED = 3cm CE = 4.2 cm and CD = 4.8cm, then					
	the values of CA and CB are				
	(a) 6cm, 6.4 cm	ı (b) 4.8cm, 6.4cm	n (c) 5.4cm, 6.4cm	(d) 5.6, 6.4cm	
Q02.	. A man goes 15 m due west and then 8m due north. Find distance from the starting point.				
	(a) 17m	(b) 18m	(c) 16m	(d) 7m	
Q03.	. In a triangle ABC, if AB = 12cm BC = 16cm, CA = 20cm, then \triangle ABC is				
	(a) Acute angled	d (b) equilateral tri	iangle (c) Isosceles triang	gle (d) Right angled	
Q04.	In an isos <mark>cel</mark> es triangle ABC, AB = AC = 25cm and BC = 14cm Then altitude from A on BC =				
	(a) 20 cm	(b) 24cm	(c) 12cm	(d) None of these	
Q05.	. The lengt <mark>h of the side of a square whose diagonal is 16cm</mark>				
	(a) 16cm	(b) 8v2cm	(c) 5√2	(d) None of these	
Q06 .	. In an isosceles triangle ABC If AC = BC and $AB^2 = 2AC^2$ then ∠C =				
	(a) 45°	(b) 60°	(c) 90°	(d) 30°	
Q07 .	. If in two triangles ABC and PQR (AB/QR) = (BC/PR) = (CA/PQ)				
	(a) ∆PQR <mark>~∆CAB</mark>	B (b) ΔPQR ~Δ <mark>ABC</mark>	(c) ΔCBA~ ΔPQR	(d) ΔBCA ~ΔPQR	
Q08 .	. In the given figure $\triangle ABC^{\sim} \triangle PQR$. Then the value of x and y				
	(a) (x, y) = (6,20))	(b) (20,60)	24 30 16 X	
	(c) (x, y) = (3,10))	(d) none of these	$B \xrightarrow{6} C Q \xrightarrow{Y} R$	
Q09.	In fig P and Q are points on the sides AB and AC respectively of \triangle ABC such that AP = 3.5cm				
	AQ = 3cm and QC = 6cm. If PQ = 4.5cm, then BC is $Q = \frac{1}{2}$				
	(a) 12.5cm	(b) 5.5cm	(c) 13.5cm	(d) none of these \sum_{c}	



Q06. The length of the diagonals of a rhombus are 24 cm and 10cm. find each side of rhombus.

Q07. In the given figure, if $\angle 1 = \angle 2$ and $\triangle NSQ \cong \triangle MTR$. Then prove that $\triangle PTS \cong \triangle PRQ$.



Q08. In the given figure OA.OB = OC.OD or , $\frac{OA}{OC} = \frac{OD}{OB}$, Prove that $\angle A = \angle C$ and $\angle B = \angle D$.

