

Student Name:

Test / Exam Name: Ch6 - Lines And Angles

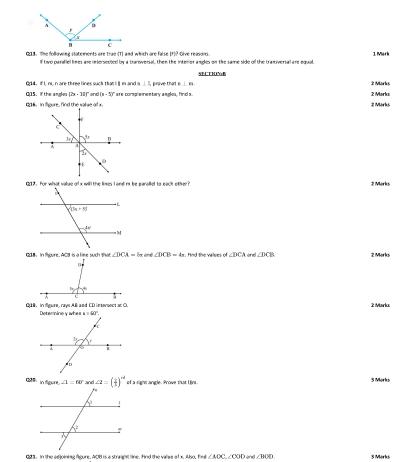
## **Swotters Academy**

Questions: 26 Time: 01:45 hh:mm Marks: 50

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	ew section on new page			
2. F	ough work at the last page should be in proper manner too			
	onesty is the best policy.			
Q1.	The complement of (90º - a) is:			1 Mark
	<b>A</b> ${\it a}^{ m a}$ ${\it B}$ ${\it -a}^{ m g}$ Side BC of $\Delta{ m ABC}$ has been produced to Don left-hand side and to Eon	C 90º + a	D 90º - a	4.441-
Q2.	Side BC of $\triangle ABC$ has been produced to Don left-hand side and to Eon. $\angle A=?$	right-hand side such that ZADD =	125 and ZACE = 150 then	1 Mark
	Â			
	125%			
	A 55° B 50°	C 75°	D 65°	
<b>Q3</b> .	The sum of all the angles of a quadrilateral is:			1 Mark
	A 400º B 180º	C 360º	D 320º	
Q4.	In the adjoining figure, I∥ m then ∠x is equal to:			1 Mark
	<u>x                                    </u>			
	<u></u>			
	1079			
	+ B C →			
	A 56º B 51º	C 66º	D 61º	
<b>Q</b> 5.	In figure, if lines I and m are parallel, then x =			1 Mark
	<b>/</b> 10			
	/ <sub></sub>			
	/63			
	8x			
	A 20° B 45°	C 65°	D 85°	
Q6.	Directions: In the following questions, the Assertions (A) and Reason(s) choose the correct alternative from the following:	(R) have been put forward. Read bo	th the statements carefully and	1 Mark
	Assertion: A line segment is a part of a line with two end - points.			
	Reason: A line can be extended from both side			
	A Both Assertion and Reason are correct and Reason is the correct	B Both Assertion and Reason are c	orrect and Reason is not the	
	explanation for Assertion.	correct explanation for Assertion		
	C Assertion is true but the reason is false.	D Both assertion and reason are fa	lse.	
٦/.	Write the complement of the following angles: 77°			1 Mark
20	Find the comlement of the following angle.			1 Mark
<b>40.</b>	of a right angle.			1 WILLY
29.	Fill in the blank so as to make the following statements true:			1 Mark
	If one angle of a linear pair is acute, then its other angle will be			
Q10.	The following statements are true (T) and which are false (F)?			1 Mark
	If two adjacent angles are equal, then each angle measures 90°.			
Q11.	Fill in the blank in the following to make the statement true:			1 Mark
	If two parallel lines are intersected by a transversal, then each pair of corresponding angles are			
Q12.	. For what value of x + y in Fig. will ABC be a line? Justify your answer.			1 Mark
	E			
	· /			
	A O B			
	_			
	D ~			
<b>J23</b> .	n the given figure, m and it are two plane mirrors perpendicular to each other. Show that the incident ray CA is parallel to the reflected ray BD.  3 Mark			
	413			
	$\frac{1}{2}$ $A$			
	P IY			
	<i>y</i>			
	/			
	<b>7</b> C 1			
	· · · · · · · · · · · · · · · · · · ·	ECTION-C		
Q24.	In Fig. if lines PQ and RS intersect at point T, such that $\angle PRT = 40^{\circ} \angle I$	$\mathrm{RPT} = 95^\circ$ and $\angle \mathrm{TSQ} = 75^\circ$ , find	∠SQT	4 Marks
	$\dot{\wedge}$			
	950			
	R T 750 S			
	$\vee$			
	Q			
Q25.				4 Marks
	(Fig.). Show that AP  BQ.			
	<b>← →</b> 1			
	A Q			

AB and CD intersect each other at a point O such that  $\angle AOC: \angle AOD = 5: 7$ . Find all the angles.



Q22. In figure, lines AB and CD intersect at O. If  $\angle AOC + \angle BOE = 70^{\circ}$  and  $\angle BOD = 40^{\circ}$ , find  $\angle BOE$  and reflex  $\angle COE$ .

3 Marks