MINISTRY OF EDUCATION, HERITAGE & ARTS

WORKSHEET1 YEAR 13 2021

TECHNICAL DRAWING

STRAND1 : GEOMETRY

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SHEET 2

SECTION B

QUESTION 1		(15 marks)	PART B	
		(13 marks)	Given:	A diagonal scale of 50 mm equa
PART A		(7 marks)		0
Given:	A rolling circle moving along a curved path in an anti-clockwise direction.		Step 4	S
Required:	Draw the locus of point P inside the rolling circle for $\frac{1}{2}$ revolution.	(6 marks)		
	Name the curve formed:	(1 mark)	1 m	Step 5 0
		BO4A	1	
		1 Correct division of circle 1	Required:	Write the 5 steps that are require
		2 Correct divisions 2 on rolling circle 1 and labels shown	Step 1:	
		3 Correct generating lines or method 1	Step 2:	
		$\begin{array}{c} 4 \\ C_6 \text{ locations} \end{array} \begin{array}{c} \text{Accuracy of } C_1 \text{ to} \\ 1 \end{array}$	Step 3:	
		$5 \begin{array}{ c c c } Accuracy of P_1 to \\ P_6 locations \end{array} 1$	Step 4:	
		6 Correct shape of 1	- Step 5:	
		7 curve 1	-	
		8 Correct 5 steps 5		
	\checkmark	BO4C		
		9 Correct method 1	Given:	A triangle ABC .
		10Correct curve111Neatness1	Required:	Construct the involute of triangl clockwise direction.







(3 marks)

gle **ABC** which unwinds in a



