

**MINISTRY OF EDUCATION, HERITAGE & ARTS**

**WORKSHEET1 YEAR 11 2021**

**TECHNICAL DRAWING**

**STRAND 1: GEOMETRY**

NAME:
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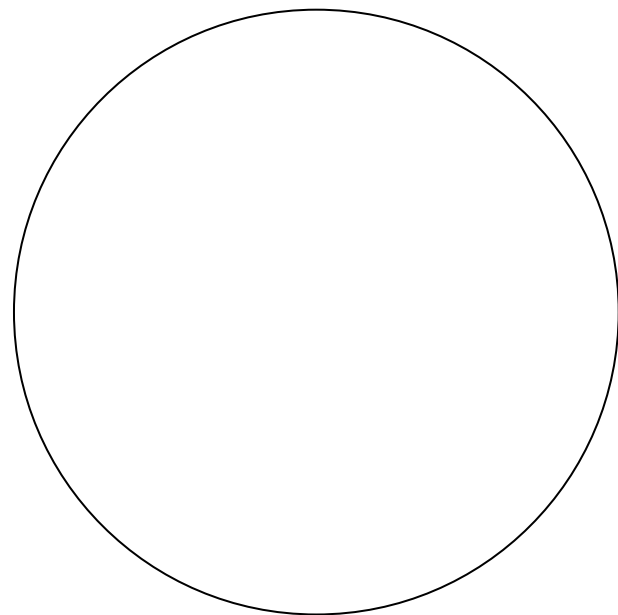
**SECTION B**

**QUESTION 1 (20 marks)**

**PART A (10 marks)**

Given: The circle

Required: Draw the pentagon within the given circle (10 marks)



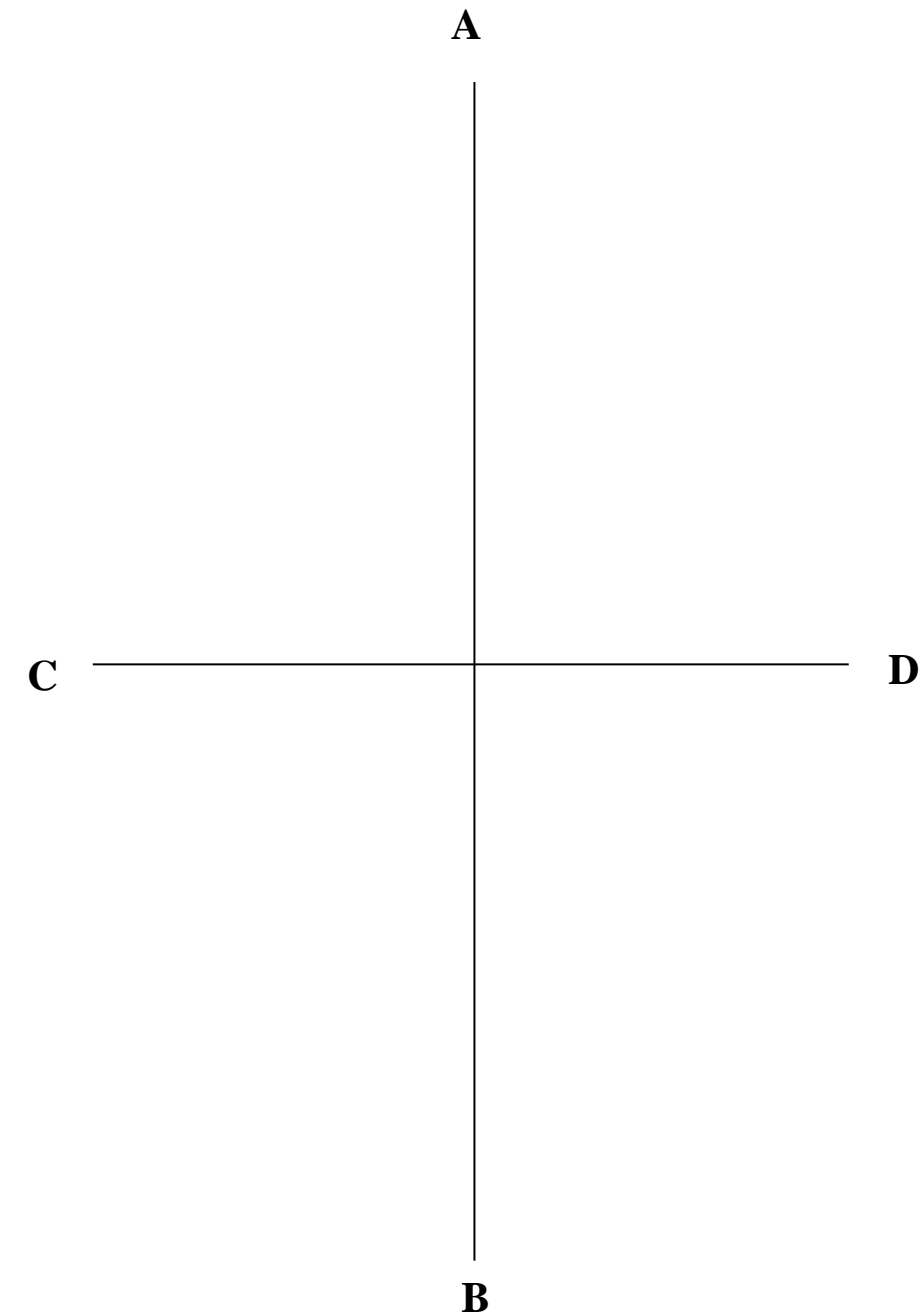
BQ1A			
1	Dividing the circle into 4 quadrants	2	
2	Correct labels shown	2	
3	Correct method shown	5	
4	Accuracy	1	
BQ1B			
5	Correct division	2	
6	Correct labels	1	
7	Correct curve	2	
BQ1A			
8	Correct method	3	
9	Correct division	2	
10	Correct labels	2	
11	Correct f1 and f2	2	
12	Accuracy	1	

**PART C**

(10 marks)

Given: The major axis AB and minor axis CD

Required : Using Concentric circle method find the two focal point 1 and 2 and construct the ellipse using geometrical construction..



**PART B**

Given: The rolling circle Q and base straight line.

Required Draw the locus of point S as it rolls clockwise for 1/2 revolution (5 marks)

