

MINISTRY OF EDUCATION, HERITAGE & ARTS

WORKSHEET 2 YEAR 11 2021

TECHNICAL DRAWING

STRAND 1: GEOMETRY

INSTRUCTIONS:

1. Use your exercise books to do ALL the questions given below.
2. All measurements are in millimeters.
3. Show all construction lines clearly.

NAME:

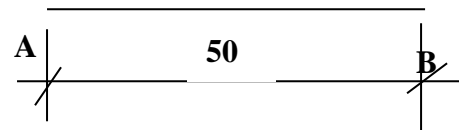
SECTION B

QUESTION 1 (20 marks)

PART A (10 marks)

Given: The line AB

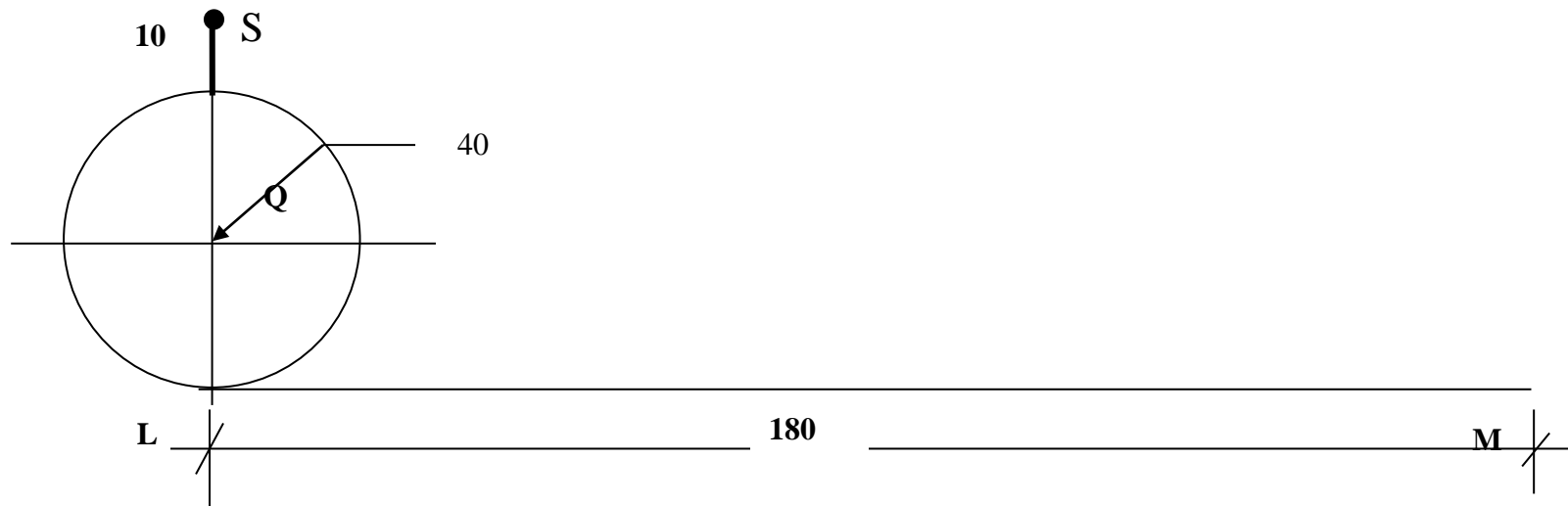
Required: Draw the pentagon ABCDEF. **(10 marks)**



PART B

Given: The rolling circle Q and base straight line LM and point S

Required: Draw the locus of point S as it rolls clockwise for 3/4 revolution **(5 marks)**



PART C

(10 marks)

Given: The major axis AB and minor axis CD

Required : Using **Intersecting Line** method find the two focal point f1 and f2 and construct the ellipse using geometrical method of construction..

Major Axis = 160
Minor Axis = 100

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	

