

MINISTRY OF EDUCATION, HERITAGE & ARTS

WORKSHEET 3 YEAR 11 2021

TECHNICAL DRAWING

STRAND 1: GEOMETRY

INSTRUCTIONS:

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

NAME:

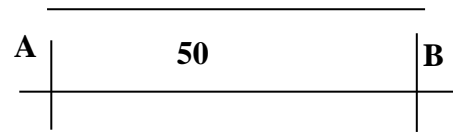
SECTION B

QUESTION 1 (25 marks)

PART A (10 marks)

Given: The line AB

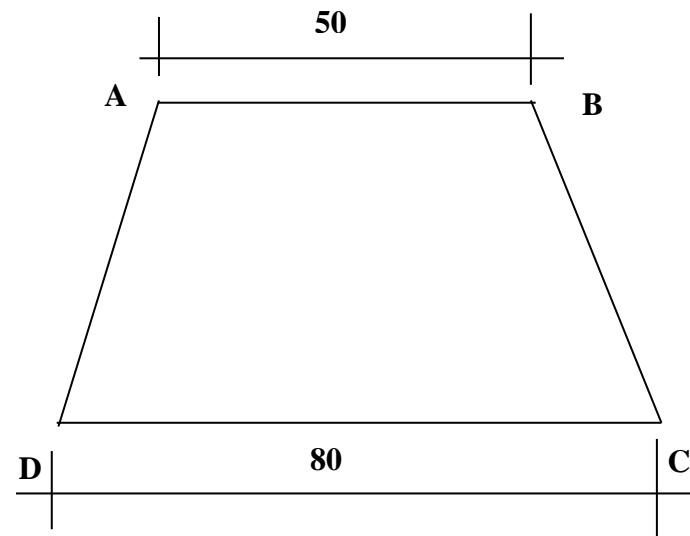
Required: Draw the heptagon ABCDEFG. (10 marks)



PART B

Given: A geometrical shape trapezium

Required: Find the centroid of the trapezium (5 marks)



PART C

(10 marks)

Given: The Elevation and Plan of Left Hand Helix

Required: Construct a Left Hand Helix for 1 revolution.

BQ1A			
1	Correct center of the circle	2	
2	Correct label shown	2	
3	Correct method shown	5	
4	Accuracy	1	
BQ1B			
5	Correct method	2	
6	Correct location	1	
7	Correct label	2	
BQ1C			
8	Correct method	3	
9	Correct division	2	
10	Correct label	2	
11	Correct Curve	2	
12	Accuracy	1	

