

MINISTRY OF EDUCATION, HERITAGE & ARTS

WORKSHEET 4 YEAR 12 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

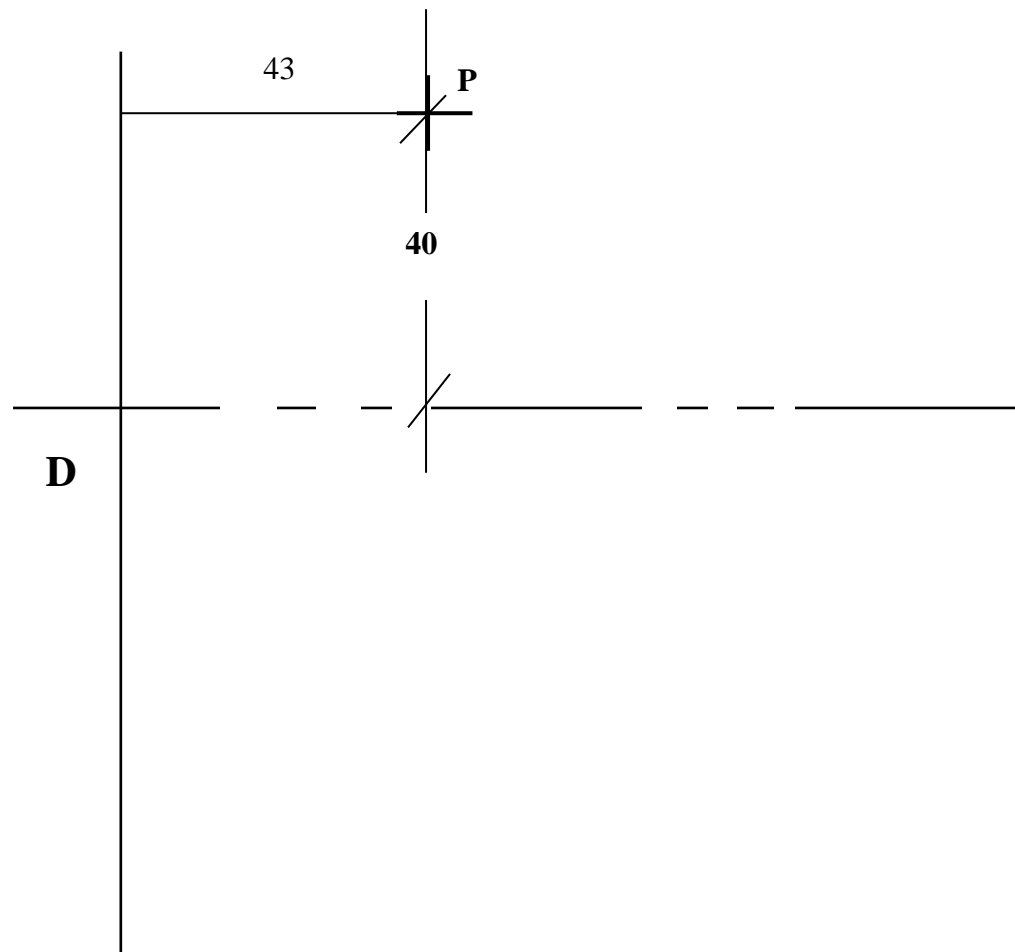
(20 marks)

PART A

(10 marks)

Given: The directrix and the axis line.

- Required:**
- (i) Find the vertex, and focus **(4marks)**
 - (ii) Draw the curve. **(5 marks)**
 - (iii) Name the curve _____ **(1 mark)**



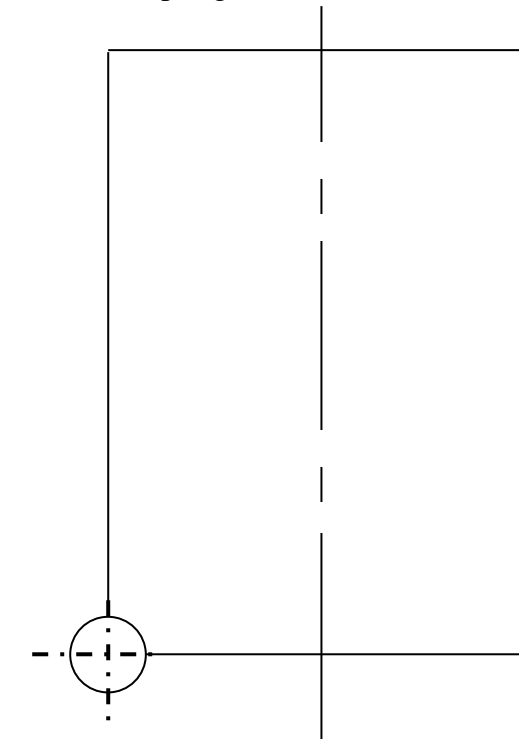
BQ1A			
1	Correct method to find F	3	
2	Correct method to find V	2	
3	Correct shape or curve	2	
4	Name the curve	1	
5	Correct method	2	
BQ1C			
6	Correct method	3	
7	Correct curve	2	
BQ1B			
7	Correct division	3	
8	Correct method	2	
9	Correct spring	2	
10	Correct label	2	
11	Correct line work	1	

PART B

(10 marks)

Given: The Elevation of a Right Hand Helical Spring..

Required: Draw a right hand helical spring for 1 1/4 revolution.



PART C

(5 marks)

Given: An asymptote and a point P of a Hyperbolic curve Hyperbolic

Required: Construct a Hyperbolic curve

