

MINISTRY OF EDUCATION, HERITAGE & ARTS

WORKSHEET1 YEAR 12 2021

TECHNICAL DRAWING

STRAND 1: GEOMETRY

NAME:

SECTION B

QUESTION 1

(20 marks)

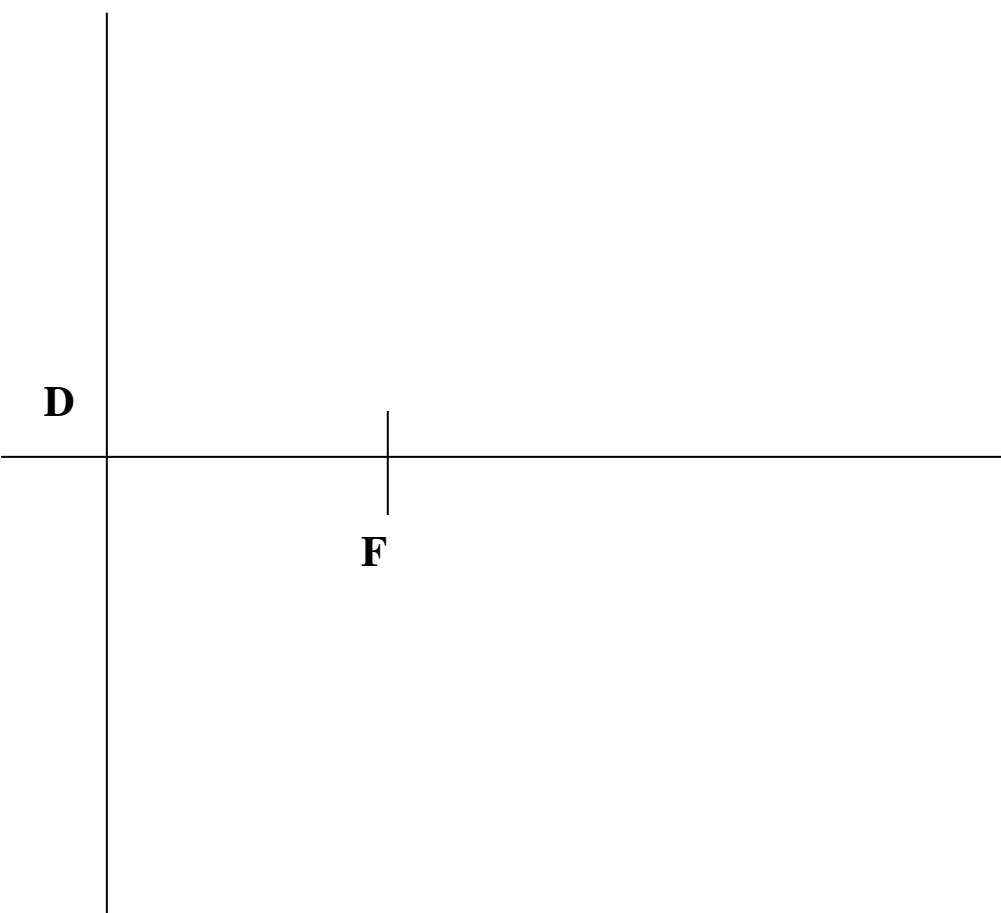
PART A

(10 marks)

Given: The directrix, focus and the axis line.

Required: Draw the parabolic curve .

(10 marks)



BQ1B			
1	Correct division of circle R	2	
2	Correct labels shown	2	
3	Correct generating lines or method	2	
4	Accuracy of C ₁ to C ₉ locations	2	
5	Correct shape of locus	1	
6	Correct name of the curve	1	
BQ1A			
7	Correct method	3	
8	Correct location of V	2	
9	Correct division	2	
10	Correct labels	2	
11	Accuracy	1	

PART B

(10 marks)

Given: Circle R which rolls along the base arc LM for 3/4 revolution

Required : Plot the locus of point P when the circle rolls anti-clockwise.

