

# MINISTRY OF EDUCATION, HERITAGE & ARTS

## WORKSHEET 5 YEAR 11 2021

### TECHNICAL DRAWING

#### STRAND 1(1.3, 1.4): 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:
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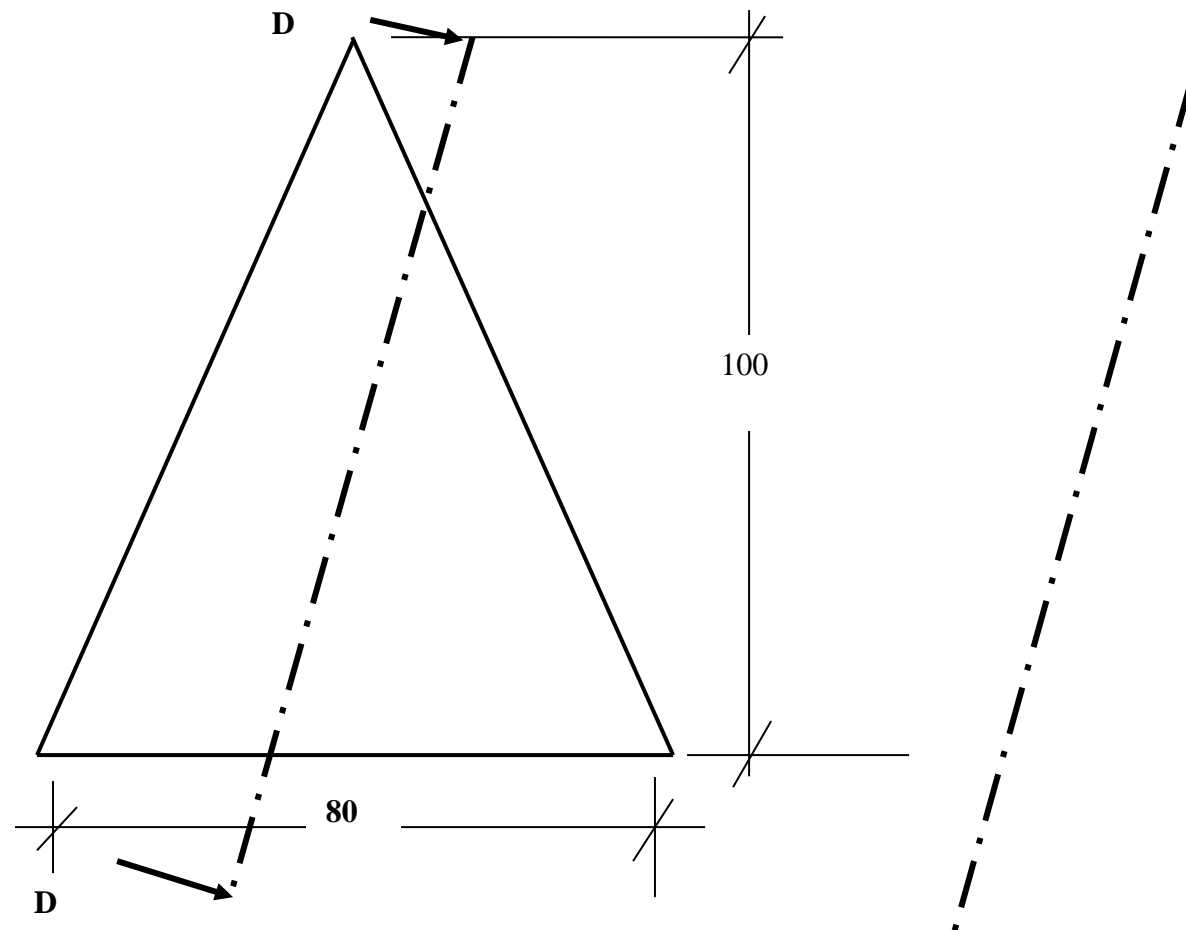
**SECTION B**

**QUESTION 1 (25 marks)**

**PART A (10 marks)**

**Given:** The Elevation of Cone cut by cutting plane AA, BB, CC, and DD

**Required:** (i) Draw the conic section produced by cutting plane C - C.



BQ1A			
1	Correct center label D,V,F	3	
2	Correct perpendicular line shown	2	
3	Correct method shown	3	
4	Correct shape	1	
5	Accuracy	1	
BQ1B			
8	Correct method	3	
9	Correct division	2	
10	Correct label	2	
11	Correct Curve	2	
12	Accuracy	1	

**PART B**

**(10 marks)**

**Given:** The Elevation and Plan of a Right Hand Helix

**Required:** Construct a Right Hand Helix Spring of diameter 10mm for 1 revolution.

