

MINISTRY OF EDUCATION, HERITAGE & ARTS

WORKSHEET 10 YEAR 13 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

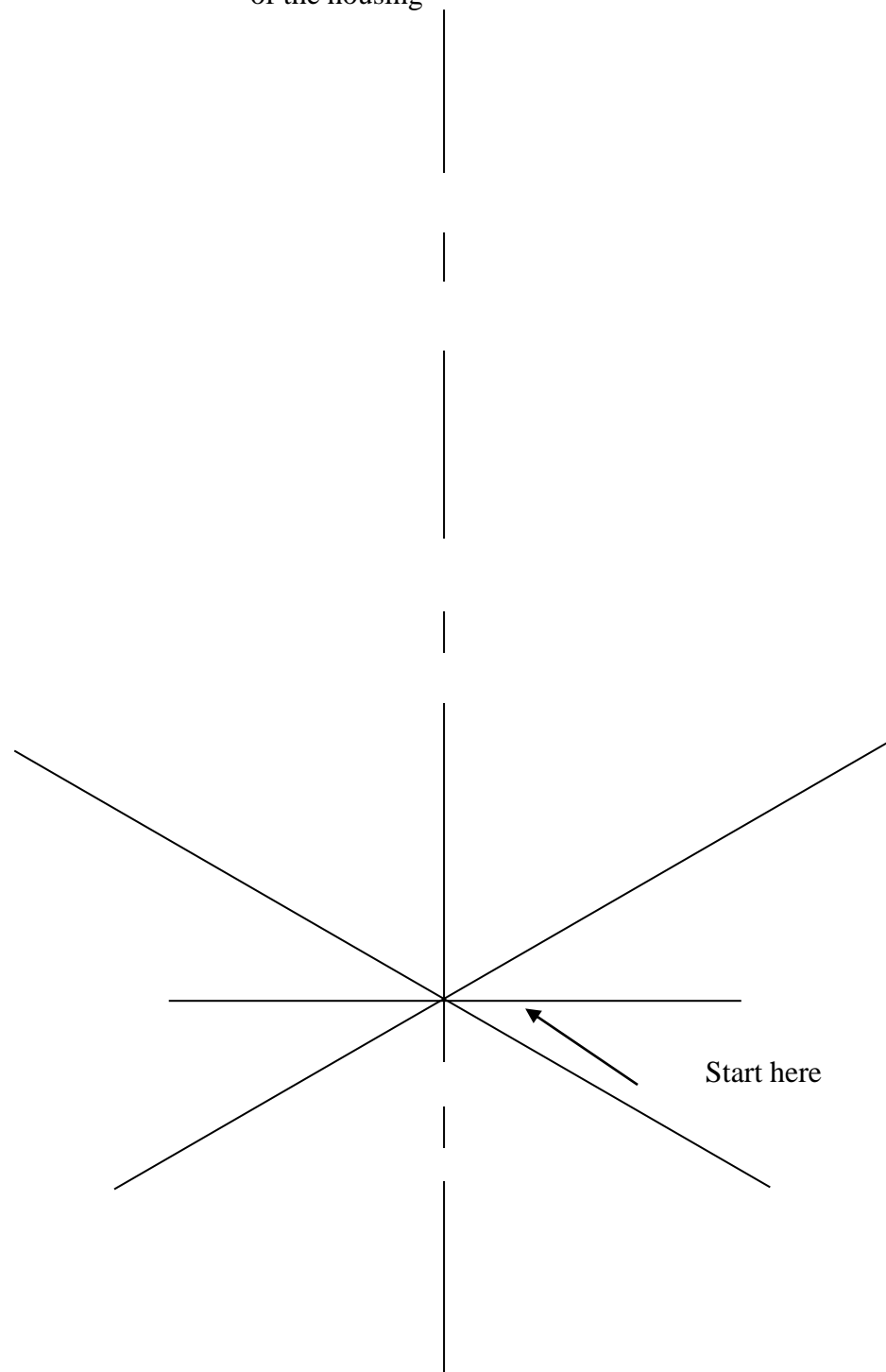
(10 marks)

(20 marks)

Given: The orthographic drawing of the gear housing.

Required: Draw an instrumental isometric projection of the housing. Note R45 is the spherical radius of the hemisphere which forms the center part of the housing

(20marks)



BQ1			
1	Correct hemispherical base 1	3	
2	Correct hemispherical base 2	2	
3	Correct cylinder height	2	
4	Correct plan	2	
5	Correct measurements.	2	
7	Correct method	2	
8	Correct line work	2	
9	Accuracy	2	
10	Correct isometric scale	2	
11	Correct dimension	1	

