

Name: _____

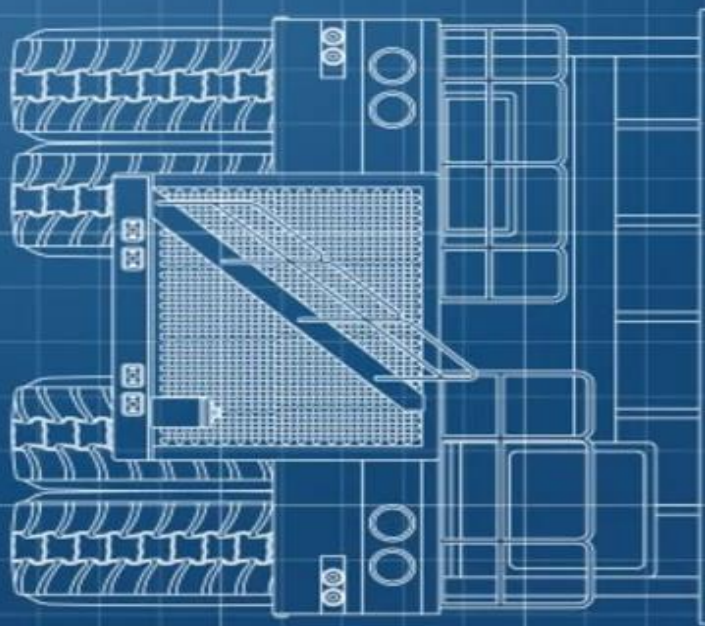
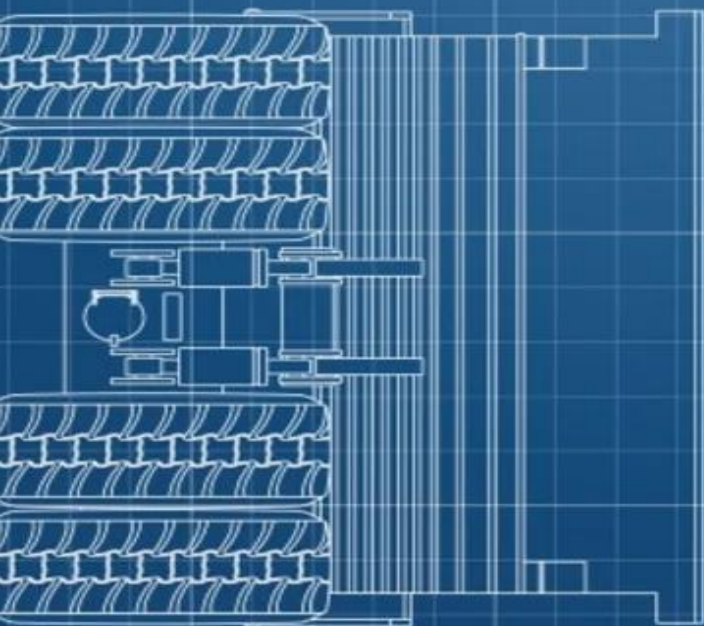
Group: _____

VECTOR EPS 10

mining dumper
blueprint

Drawing & Sketching





Homework Book



Your Name: _____

Group: _____

Tasks

Number	Topic	Effort				Grade			
						R	P	M	D
1	Freehand sketching - cuboids								
2	Freehand sketching - cylinders								
3	Freehand sketching - cells								
4	Freehand sketching - nut								
5	Freehand sketching – battery								
6	Freehand sketching – amplifier								
7	Freehand sketching – PSP								
8	Drawing types								
9	Isometric drawing practice 1								
10	Isometric drawing practice 2								
11	Isometric drawing practice 3								
12	Isometric drawing – camera								
13	Isometric drawing – hidden lines								
14	3 rd angle projection								
15	1 st angle projection								
16	3 rd angle projection and isometric drawings 1								
17	3 rd angle projection and isometric drawings 2								
18	3 rd angle projection and isometric drawings 3								
19	Adding dimensions								
20	Adding dimensions with a scale								
21	Online design task								
22	Online design task								

Your Name: _____

Group: _____

I. Sketch these products to look as realistic as possible

a.



b.



c.



Feedback:

EJC190723

Your Name: _____

Group: _____

2. Sketch these items to look as realistic as possible.

a.



b.



c.



Your Name: _____

Group: _____

3. Sketch these cells to look as realistic as possible.



Feedback:

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Your Name: _____

Group: _____

4. Sketch these nut to look as realistic as possible.



Feedback:

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Your Name: _____

Group: _____

5. Sketch the battery to look as realistic as possible.



Feedback:

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Your Name: _____

Group: _____

6. Sketch the desktop amplifier shown below:



Feedback:

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Your Name: _____

Group: _____

7. Sketch the Nintendo shown below:

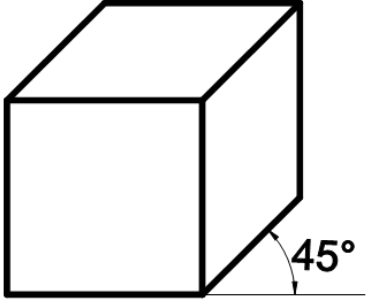


Feedback:

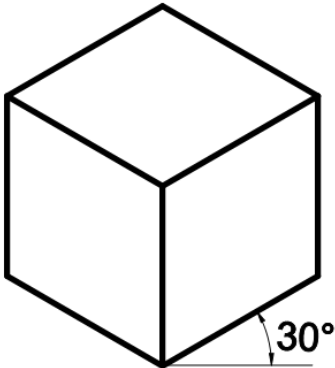
EJC190723

Your Name: _____ Group: _____

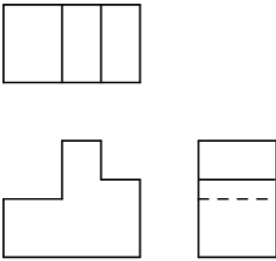
8. Name each of the drawing types and state an advantage and disadvantage of each type.



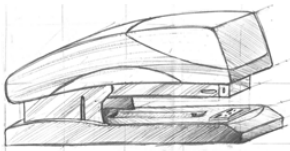
Type of drawing: _____
Advantage: _____
Disadvantage: _____



Type of drawing: _____
Advantage: _____
Disadvantage: _____



Type of drawing: _____
Advantage: _____
Disadvantage: _____



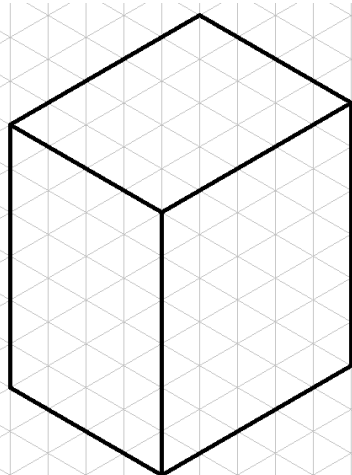
Type of drawing: _____
Advantage: _____
Disadvantage: _____

Your Name: _____

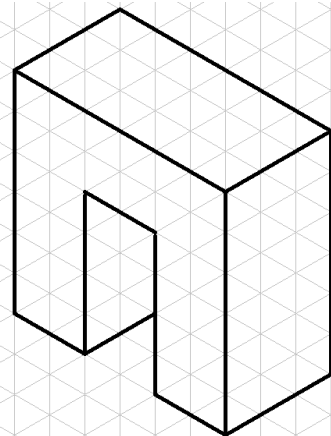
Group: _____

9. Your task is to reproduce these isometric sketches. Use the isometric paper on the next page. Make sure you use a sharp pencil or fine-liner when drawing:

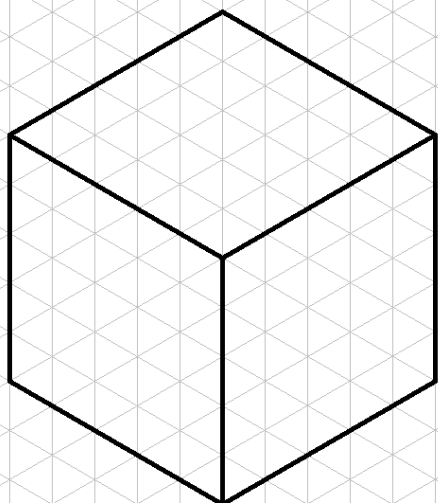
1.



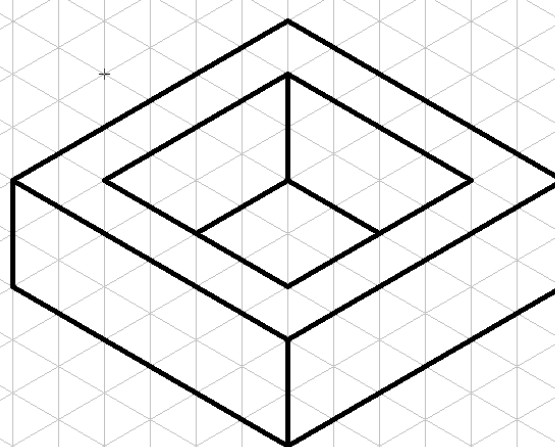
2.



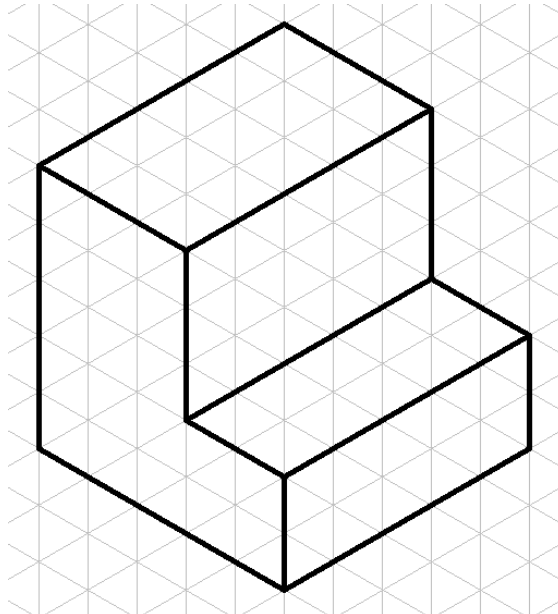
3.



4.



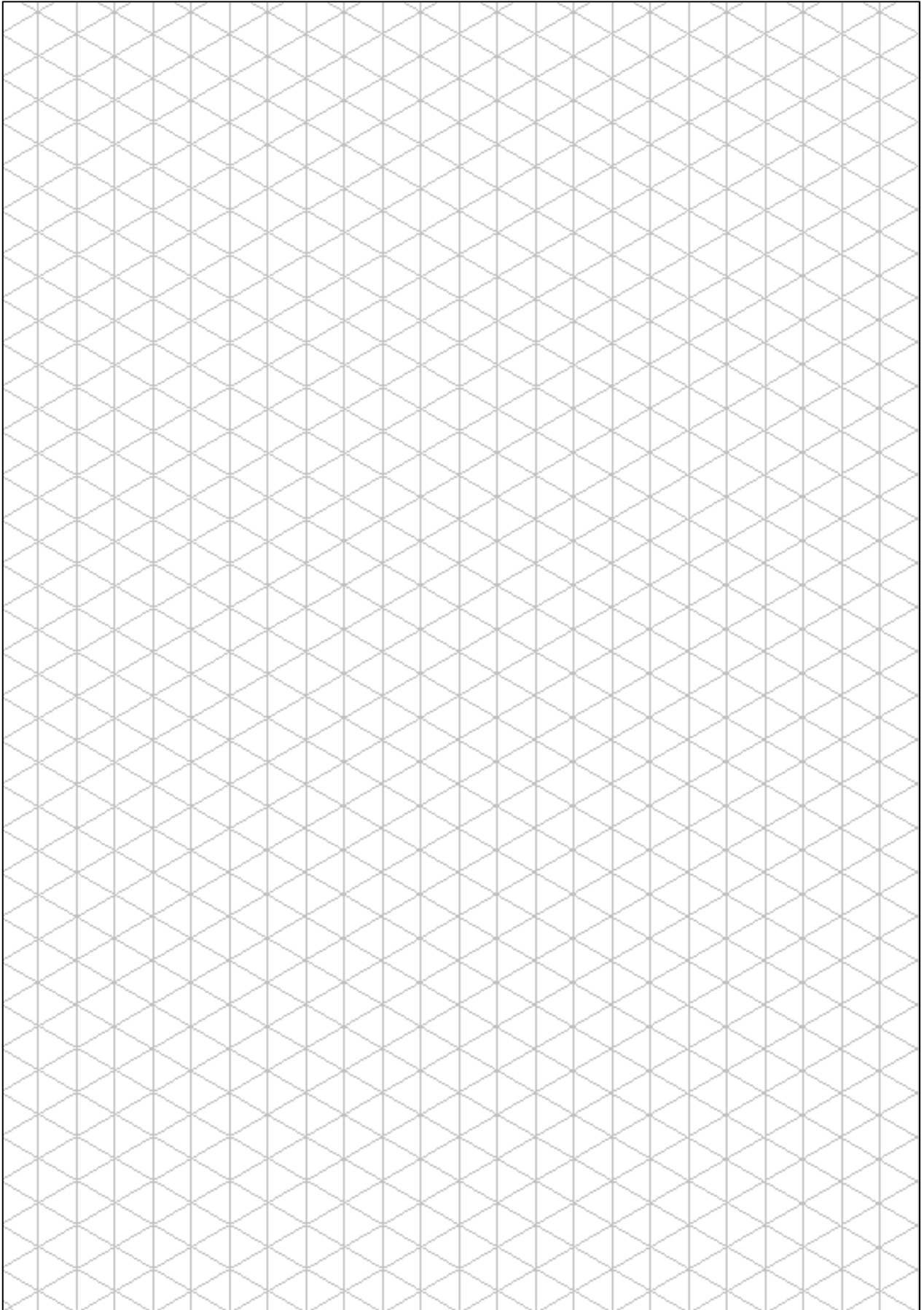
5.



Your Name: _____

Group: _____

9. Isometric template for question 9.



Feedback:

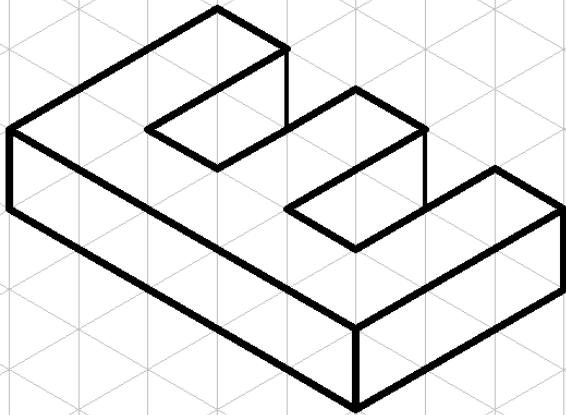
EJC190723

Your Name: _____

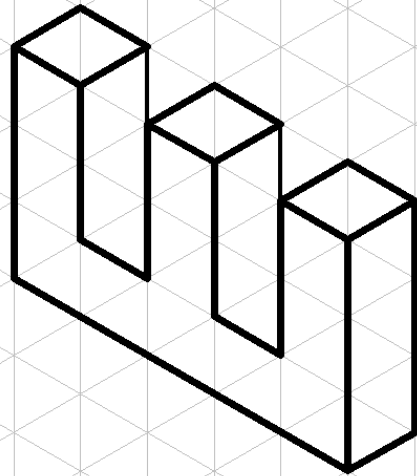
Group: _____

10. Your task is to reproduce these isometric sketches. Use the isometric paper on the next page. Make sure you use a sharp pencil or fine-liner when drawing:

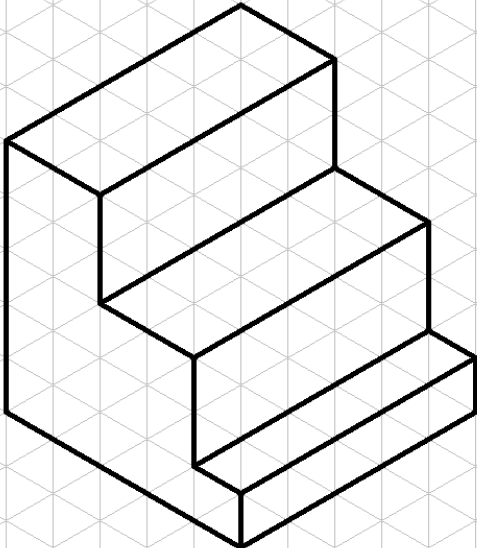
1.



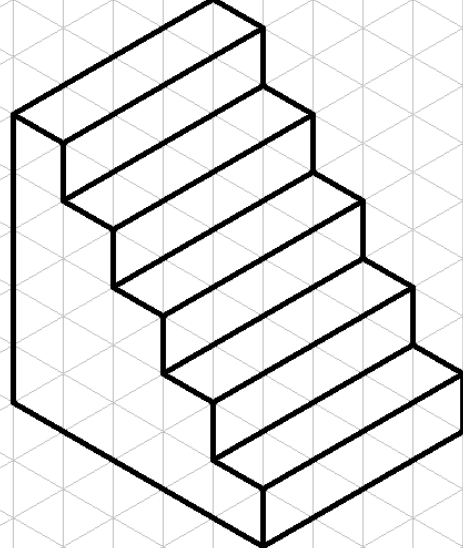
2.



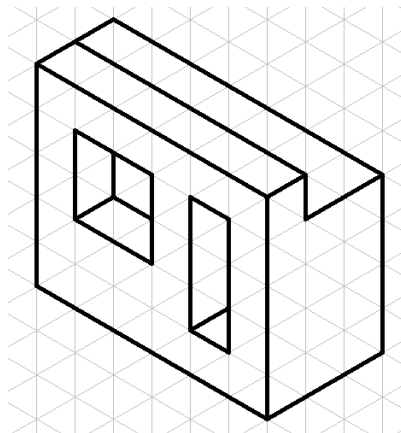
3.



4.



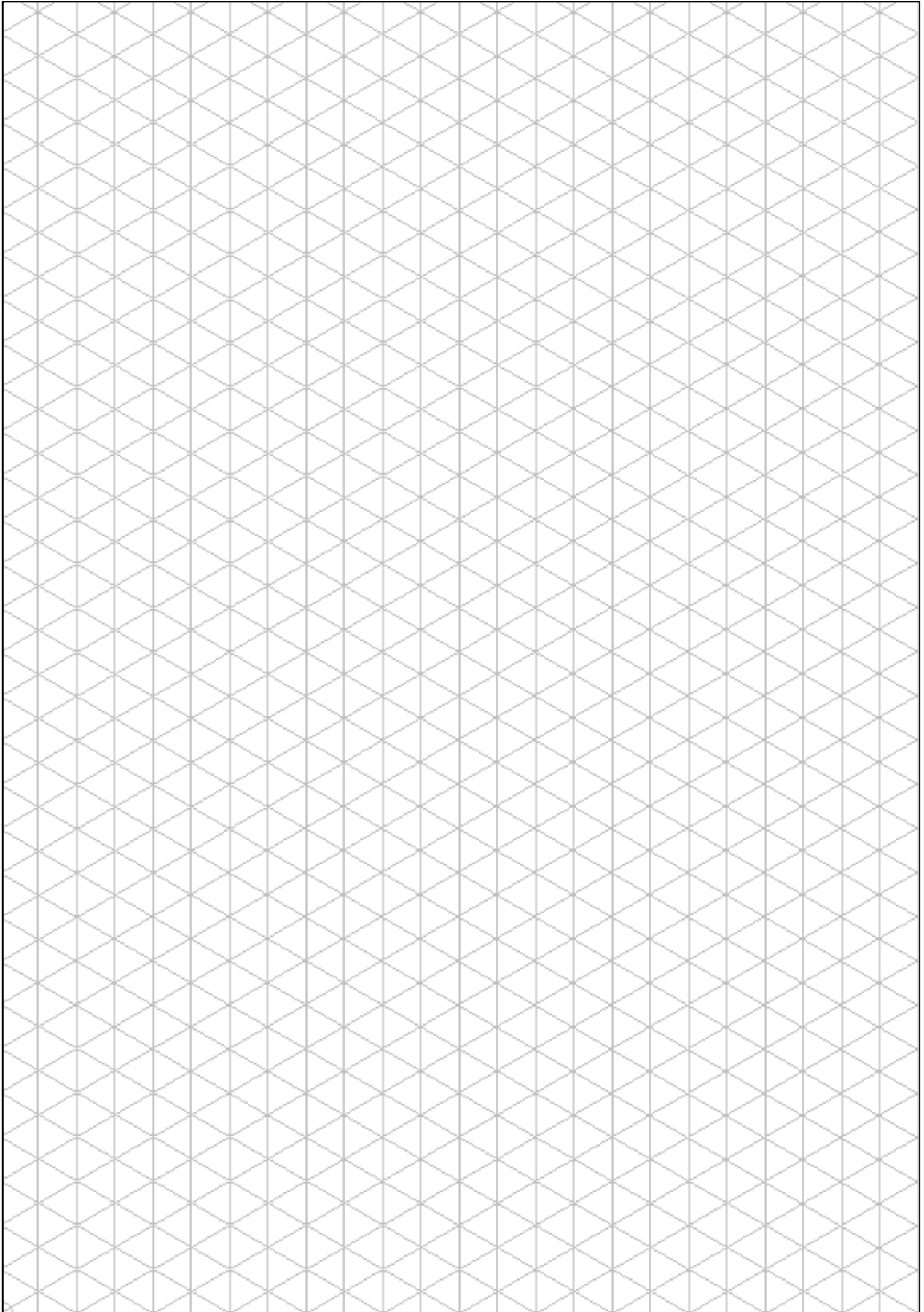
5.



Your Name: _____

Group: _____

10. Isometric template for question 10.



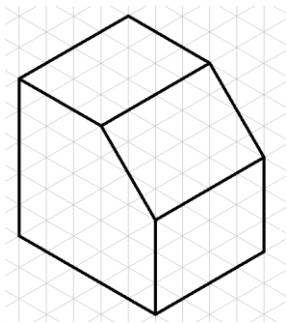
Feedback:

EJC190723

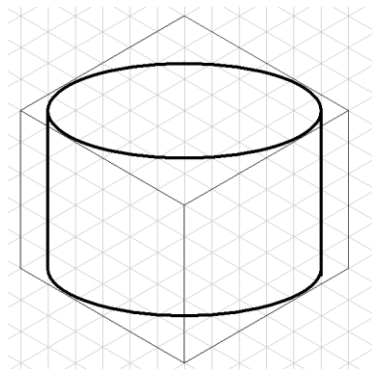
Your Name: _____ **Group:** _____

II. Your task is to reproduce these isometric sketches in the empty boxes. This time there is no isometric template so you will have to use a set square. Make sure you use a sharp pencil or fine-liner when drawing:

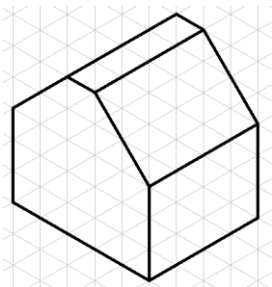
1.



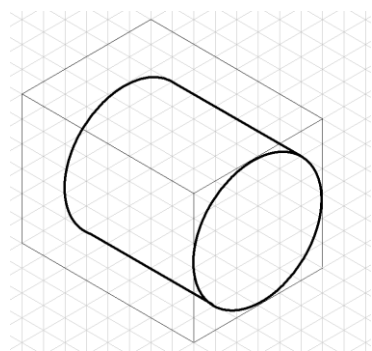
2.



3.

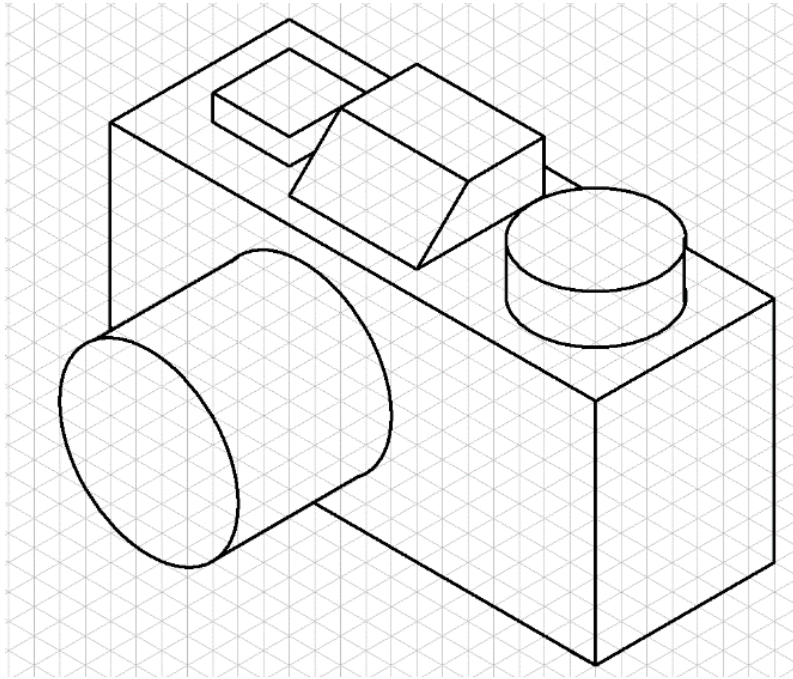


4.



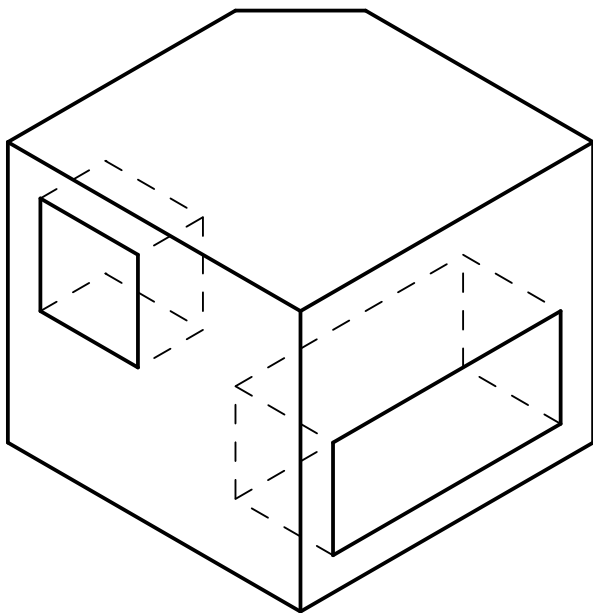
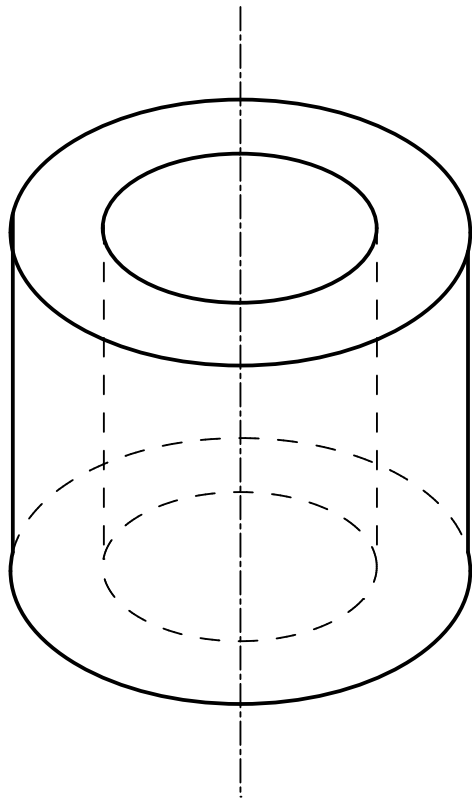
Your Name: _____ Group: _____

12. Reproduce this drawing in the space below. Make sure you use a sharp pencil or fine-liner when drawing:



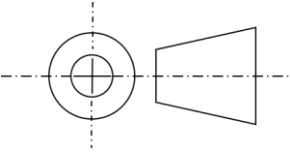
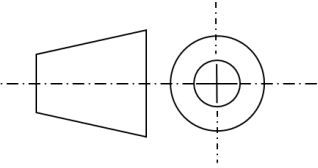
Your Name: _____ Group: _____

13. Your task is to reproduce these isometric sketches in the empty boxes. This time there are hidden features. Make sure you use a sharp pencil or fine-liner when drawing:

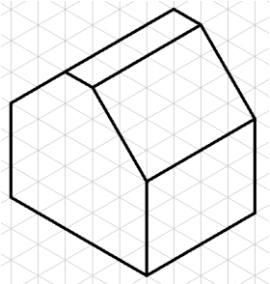
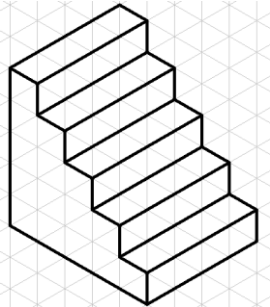


For this one I have missed some construction lines off, can you add them in?

14.

	
What does this symbol tell us?	What does this symbol tell us?

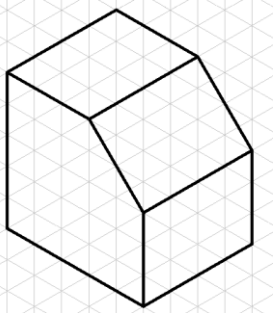
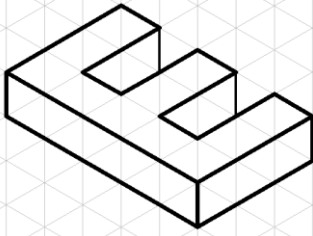
Produce a **third angle** isometric projection of these shapes:

Your Name: _____

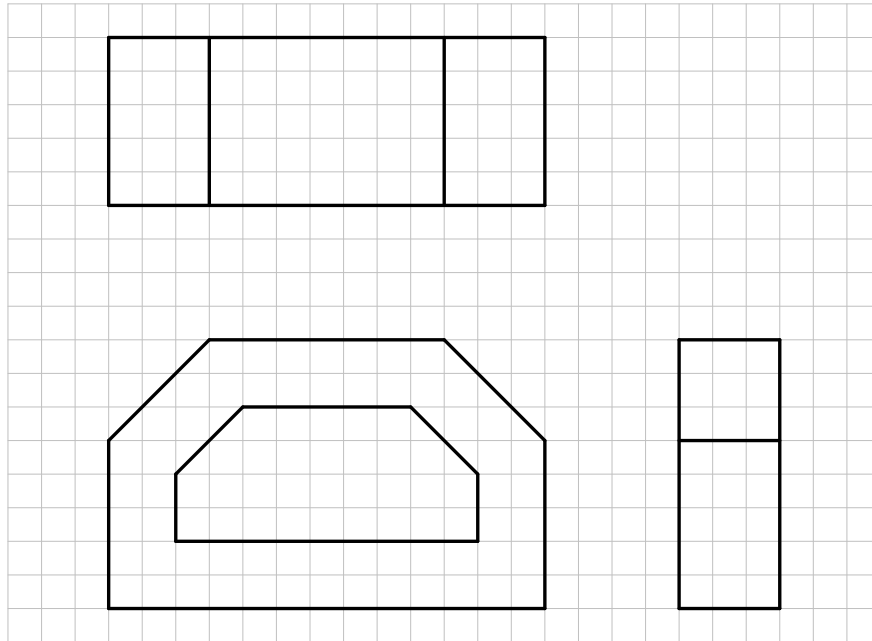
Group: _____

15. Produce a **first angle** isometric projection of these shapes:



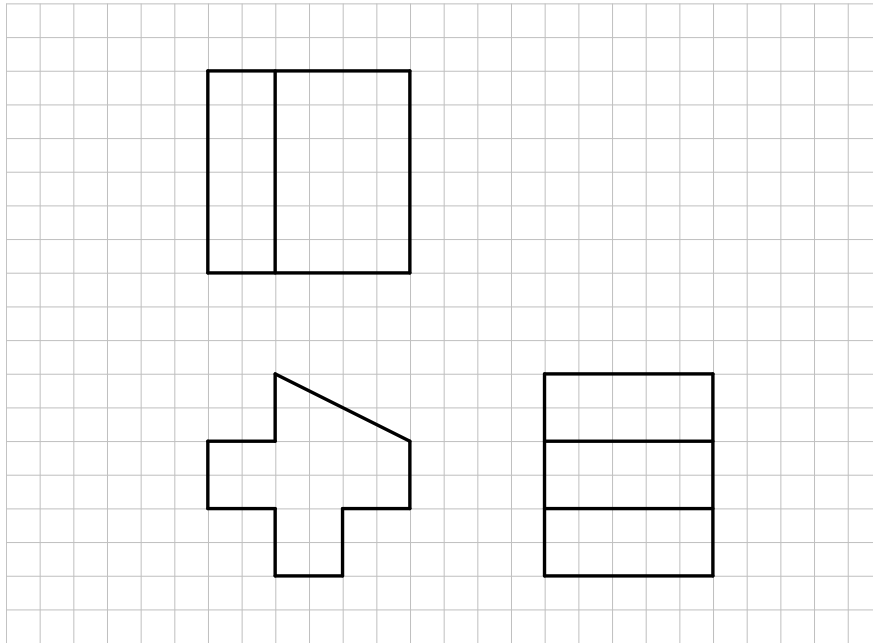
Your Name: _____ Group: _____

16. Looking at the orthographic third angle projections below, produce and isometric drawing of the shape. Make sure it is drawn to scale. You will need to use a set square.



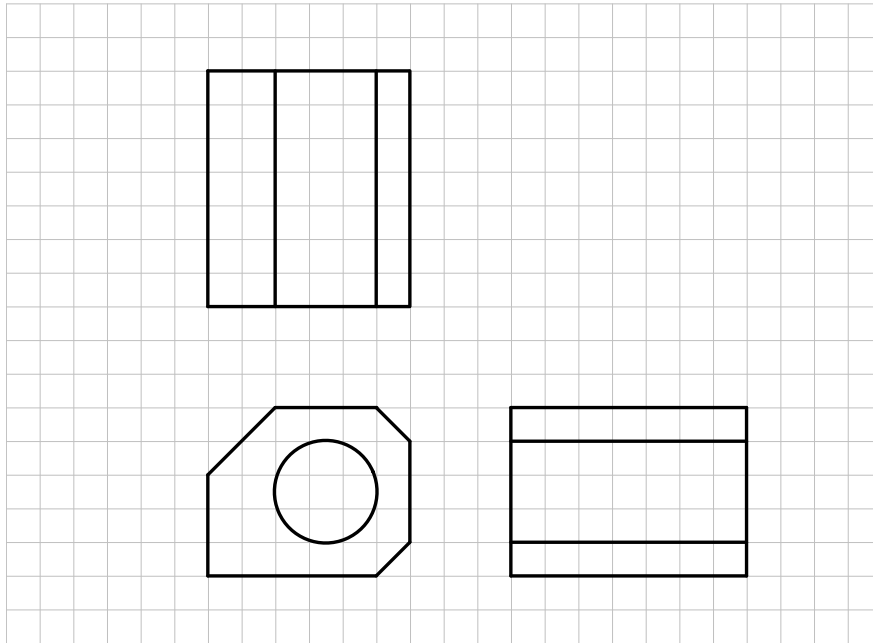
Your Name: _____ Group: _____

17. Looking at the orthographic third angle projections below, produce and isometric drawing of the shape. Make sure it is drawn to scale. You will need to use a set square.



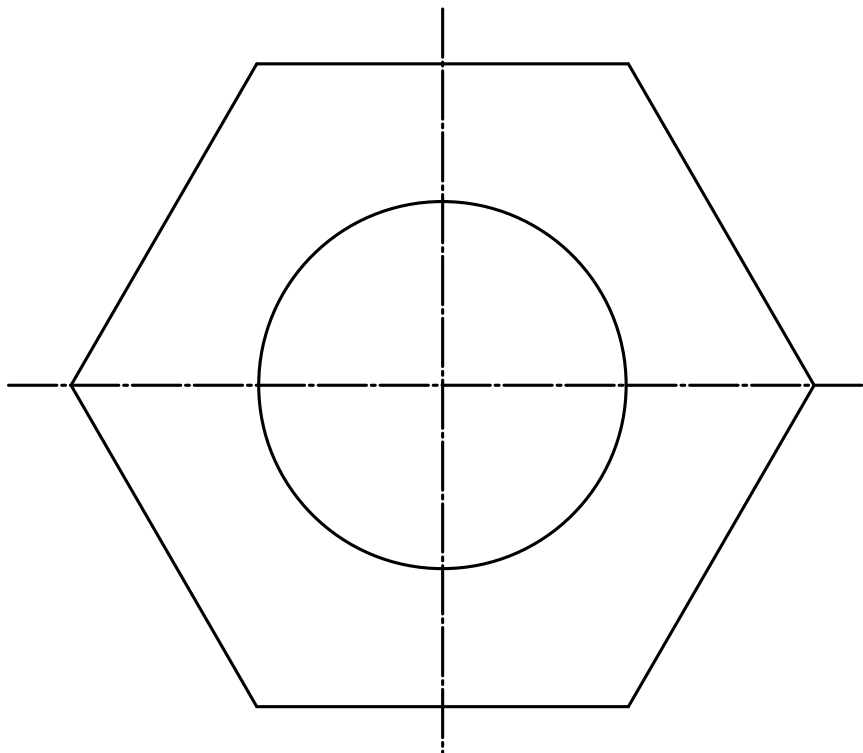
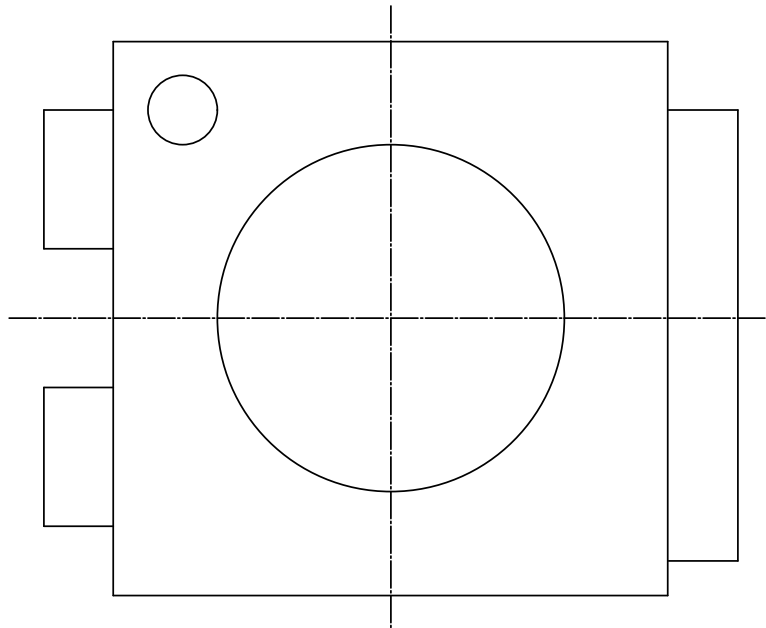
Your Name: _____ Group: _____

18. Looking at the orthographic third angle projections below, produce and isometric drawing of the shape. Make sure it is drawn to scale. You will need to use a set square.



Your Name: _____ Group: _____

19. Use a rule and pencil to add dimensions including length, radius and diameter where appropriate:



Your Name: _____ Group: _____

20. Use a rule and pencil to add dimensions to this isometric drawing to a scale of 1:50.

