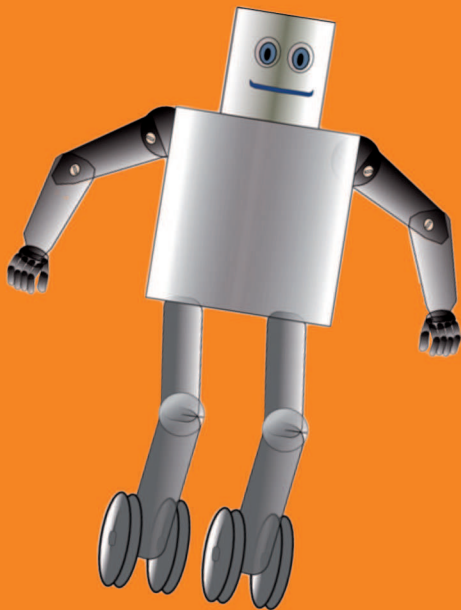


3



Selecting and
developing the
innovative idea

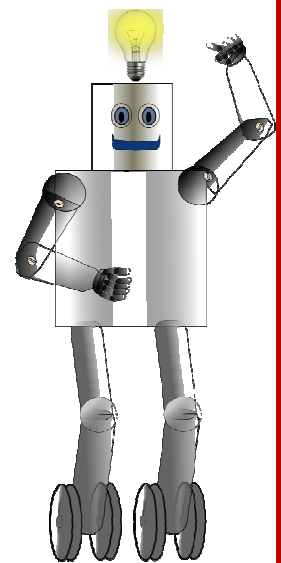
3.1. CHOOSING WHAT WE WANT TO BUILD

Once you have made a list of three ideas, is time to analyze one by one to choose the definitive object to build. This is a crucial moment in your work. Answer the following questions and give some additional criteria if you consider it as important. Write in the “E” column a brief answer and write a grade in the “C” column. The grade has to be between 0 and 10.

Criteria	Idea 1:		Idea2:		Idea 3:	
	E	C	E	C	E	C
What degree of difficulty does the manufacture of the idea involve?						
What degree of usefulness is the idea for society?						
Are the idea’s benefits easy to explain and understand?						
Has the idea a complex technical development?						
Will it be easy to sell, applicable and usable?						
Is large, medium or small the amount of users who will take advantage of the object?						
Would you need the help of the teacher to build it?						
Could it be easily possible to protect the object by means of a patent?						
Will the manufacture economic cost of the idea high?						
NUMERIC VALUATION	SUM OF IDEA 1		SUM OF IDEA 2		SUM OF IDEA 3	

3.2. THE FIRST SKETCH OF THE EXTERNAL ASPECT

You've just selected your innovative idea. Now, make an easy and quick sketch to define what it consists of. The design has to be freehanded and you could make as many comments as needed in and around the drawing. This is a first level to define the object.



3.3. IMPROVING THE ORIGINAL IDEA AND DEVELOPING THE FIRST DESIGNS

Answer now to this questionnaire in order to try to improve the idea. However, it's better to spend some time thinking and discussing this question. Access in the next days to the digital platform forum, open a topic of discussion, for instance, "*Improvements in the original ideas*" and make some comments. With a bit effort, sure you will get some solutions to carry out an improvement.

When you decide that the discussion in the forum has finished, access to your company digital space and fill in the form for this section where the next questions are available to answer

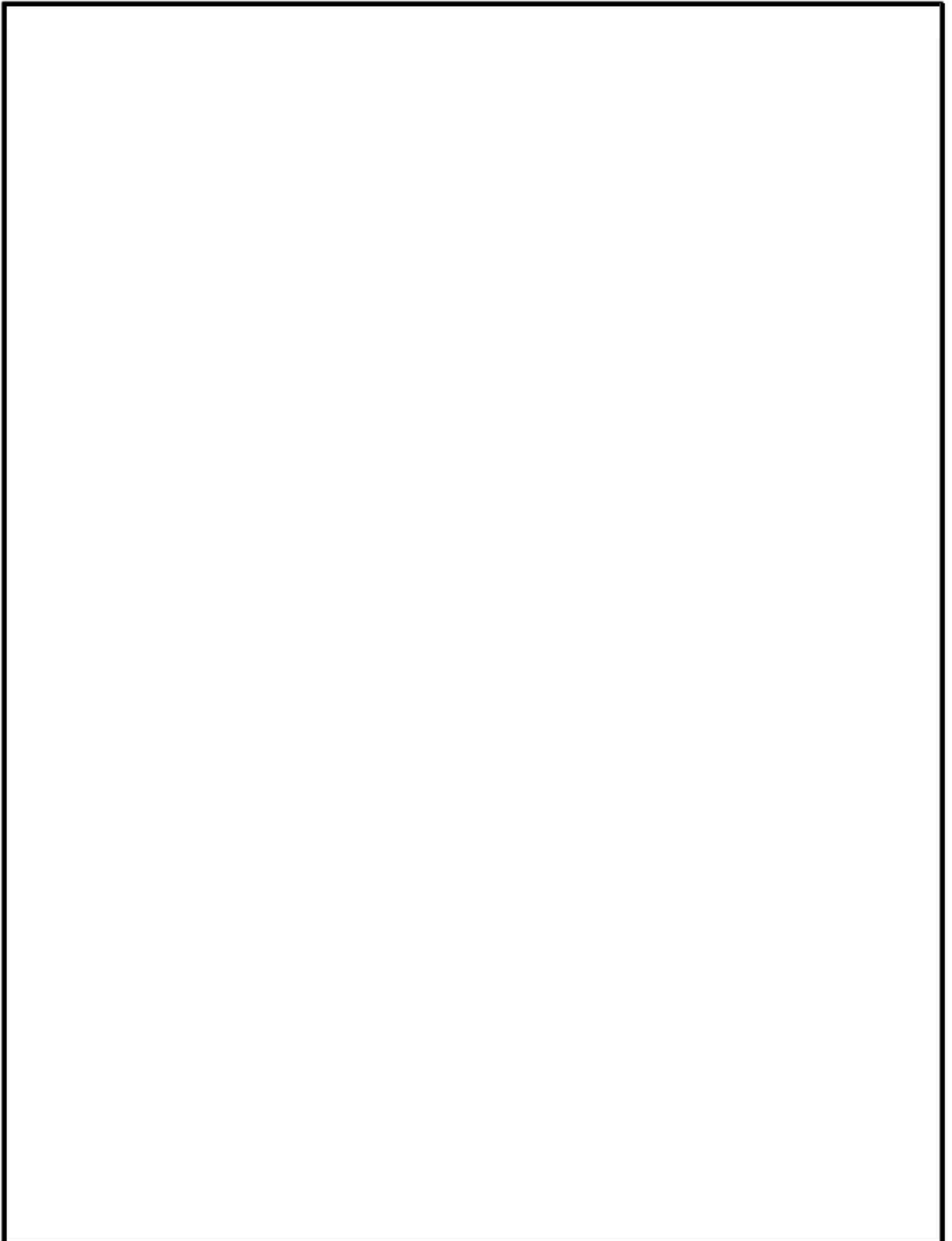
Does your innovative idea comply with the functions you have originally thought?

Could it be improved if something else will be added? What else?

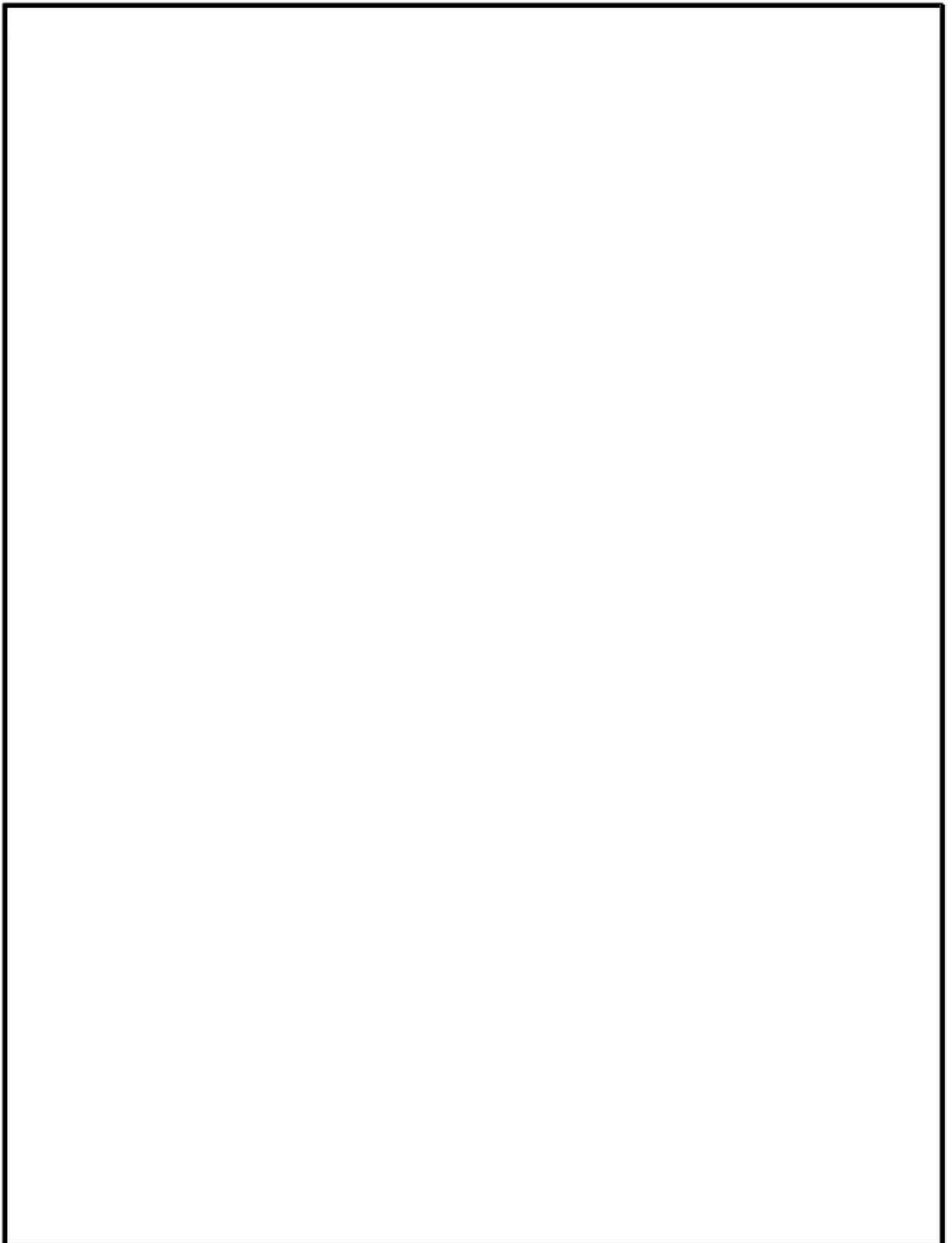
Could it be very complex to improve new additions?

Would the new improvements be very expensive? What's your teacher's opinion?

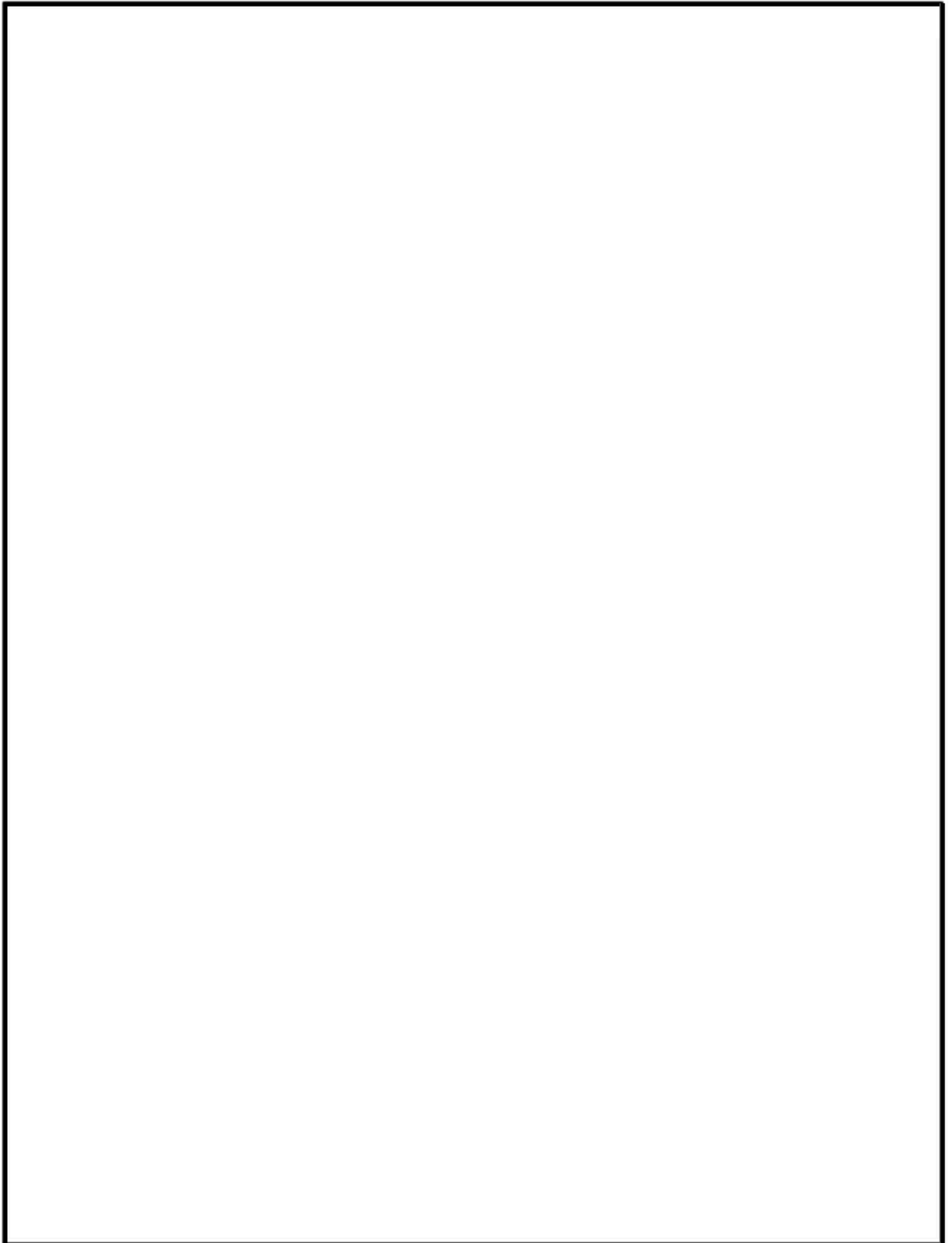
Now that you know clearly what to manufacture, draw the details in the following sheets. Use them to design the aspect of your idea. You have three sheets available to be printed, but you can print as many as you need.



	FECHA	NOMBRE	FIRMA	I.E.S. _____
Dibujado por:				_____
Comprobado por:				_____
Escala:	Título			Versión



	FECHA	NOMBRE	FIRMA	I.E.S. _____
Dibujado por:				_____
Comprobado por:				_____
Escala:	Título			Versión



	FECHA	NOMBRE	FIRMA	I.E.S. _____
Dibujado por:				_____
Comprobado por:				_____
Escala:	Título			Versión