



تصميم اثاث
م.د. هبة عيسى

٢٠٢٠-٢٠١٩

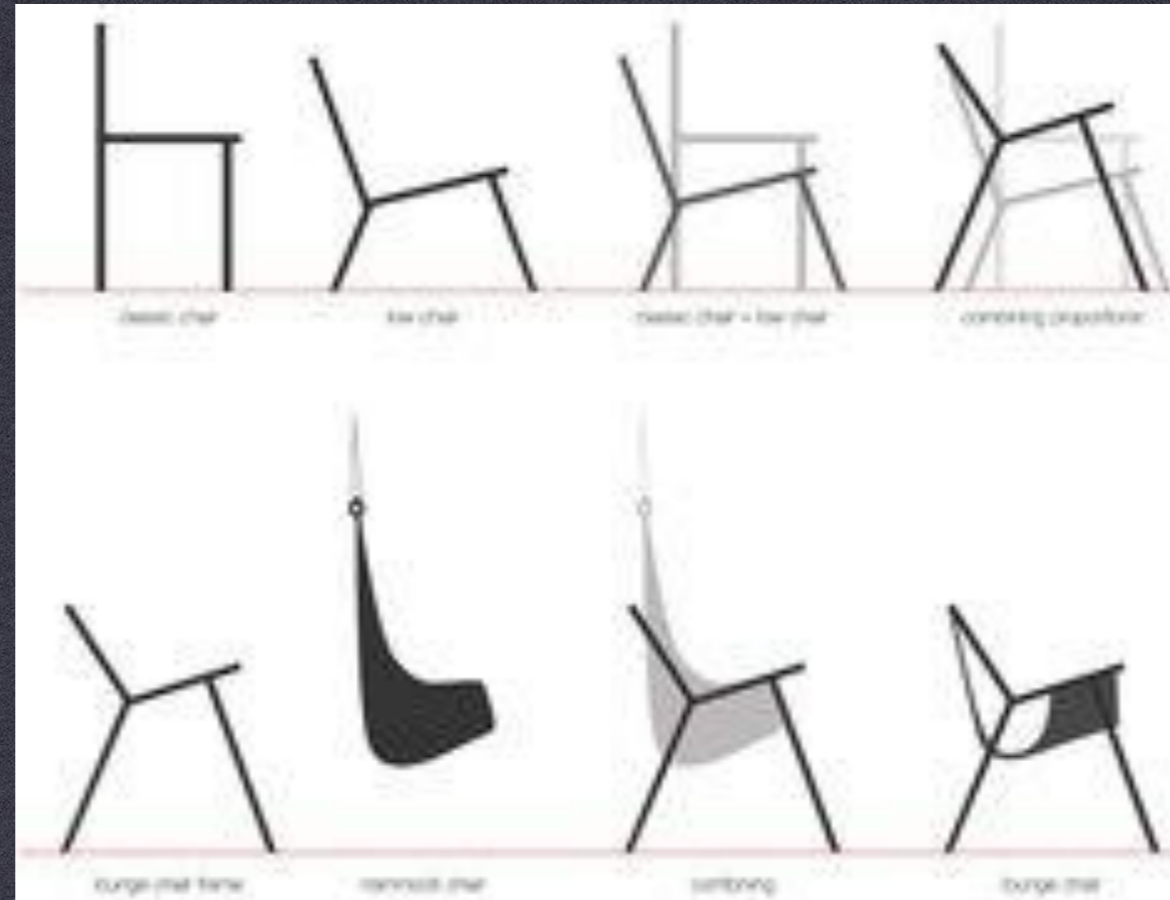
الفرقة الأولى

الهيئة المعاونة:

- م . اسراء حمدي
- م . ميار محمد
- م . دينا معتز
- م . شادي رؤوف
- م . ندى خالد
- م . نعمة الله محمود

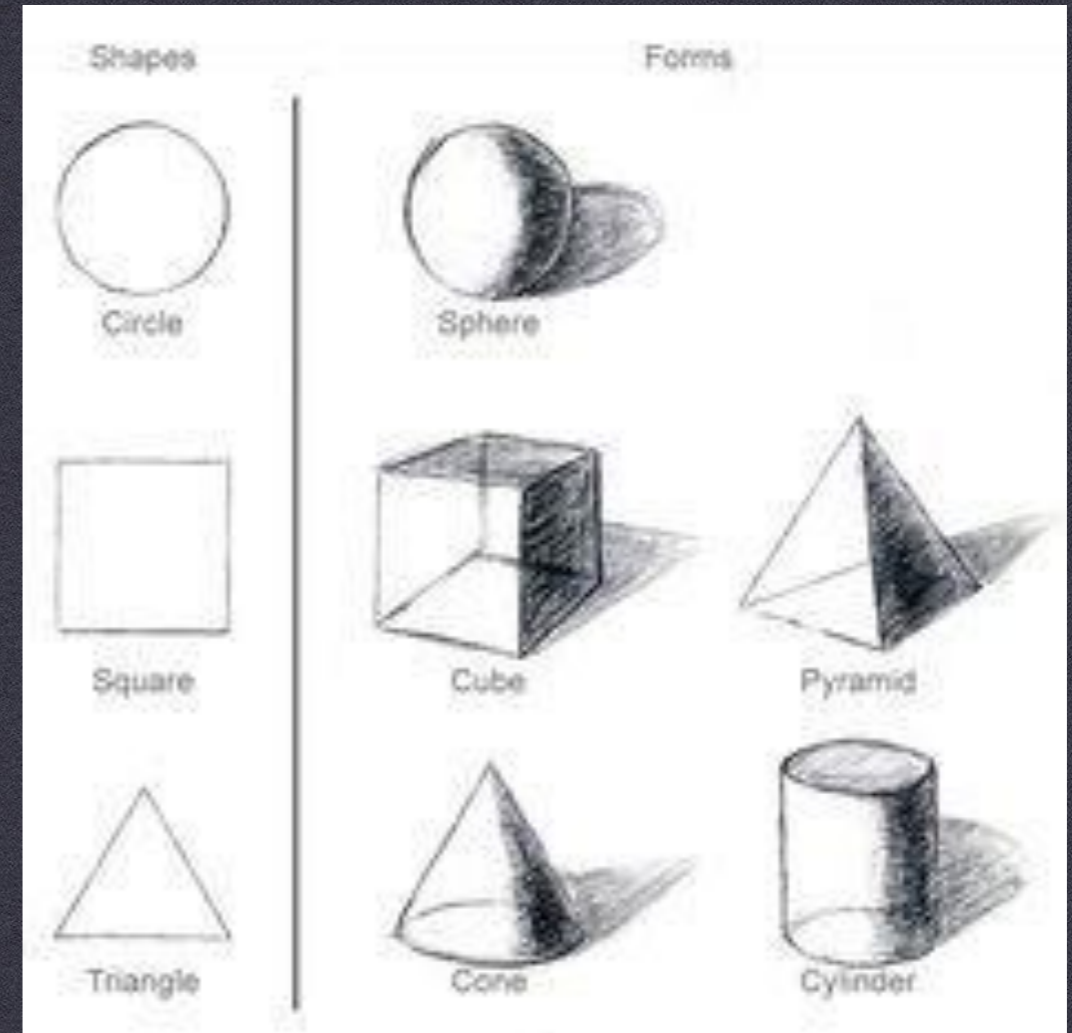
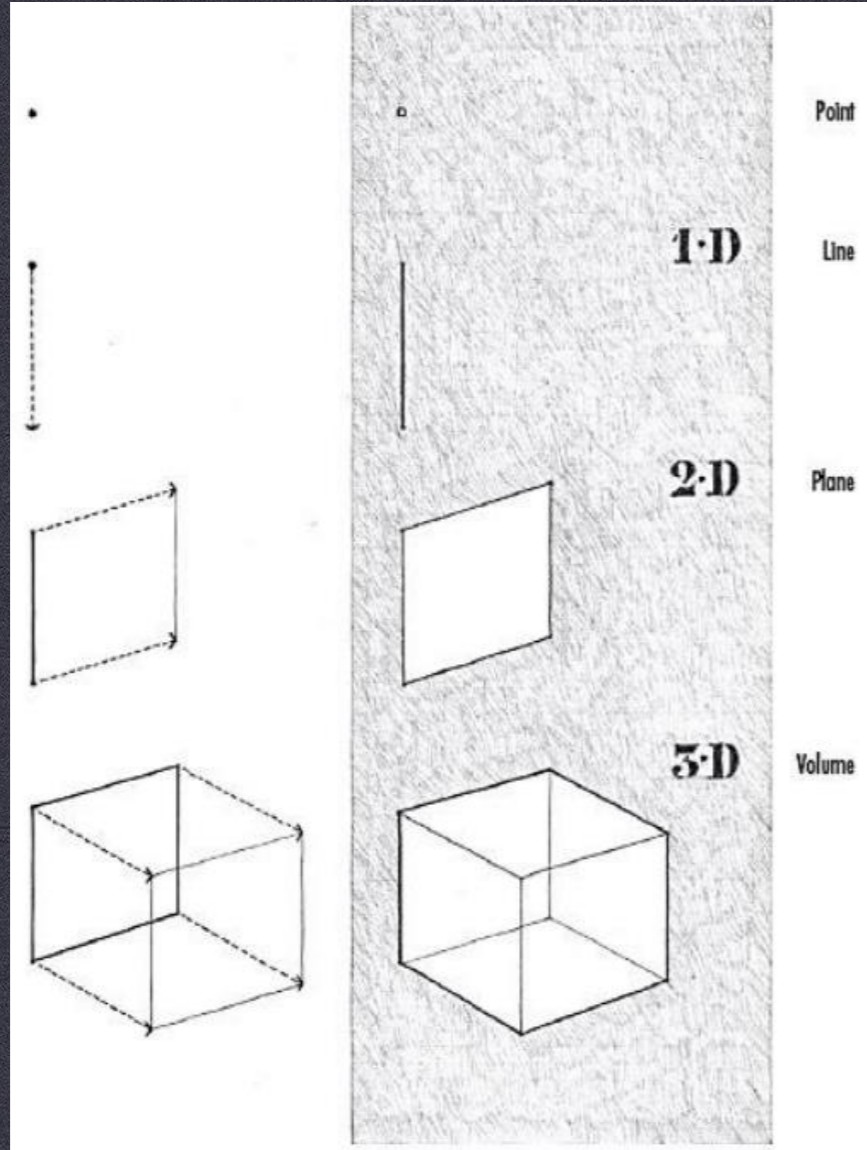
المحاضرة الثالثة التشكيل FORM

1- التشكيل كمبدأ للتصميم
2- طرق ومبادئ التشكيل



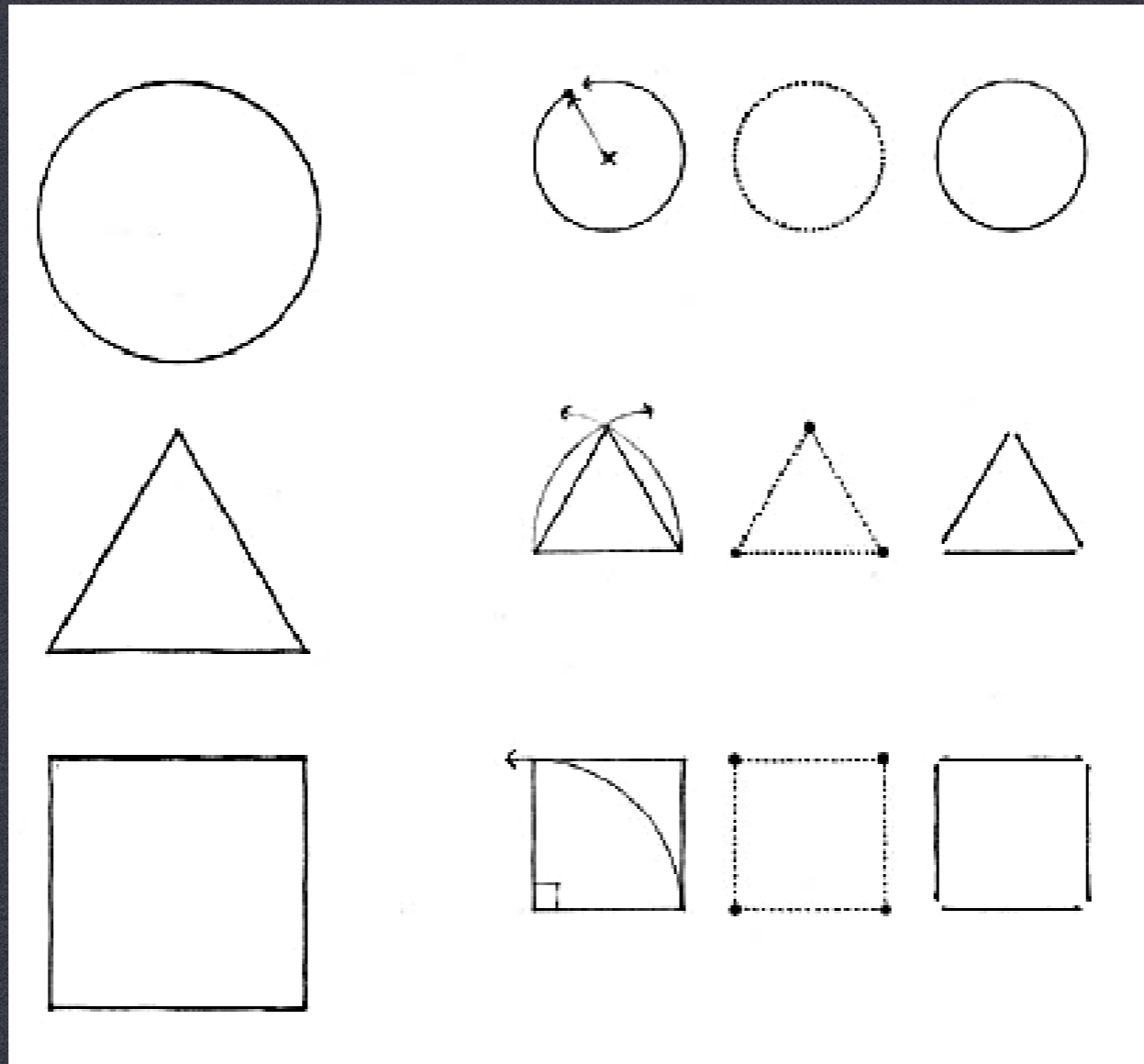
١- ما هو التشكيل Form

- يتكون من التقاء عدة أشكال بحيث يتم التكوين ويشكل جسم ثلاثي الأبعاد (الطول، العرض، والارتفاع).
- يمكن أن يكون المجسم جسماً صلباً كما في قطعة الحجر او يكون مفرغاً من الداخل كقطعة الفخار المجوفة أو هيكل بنائية.

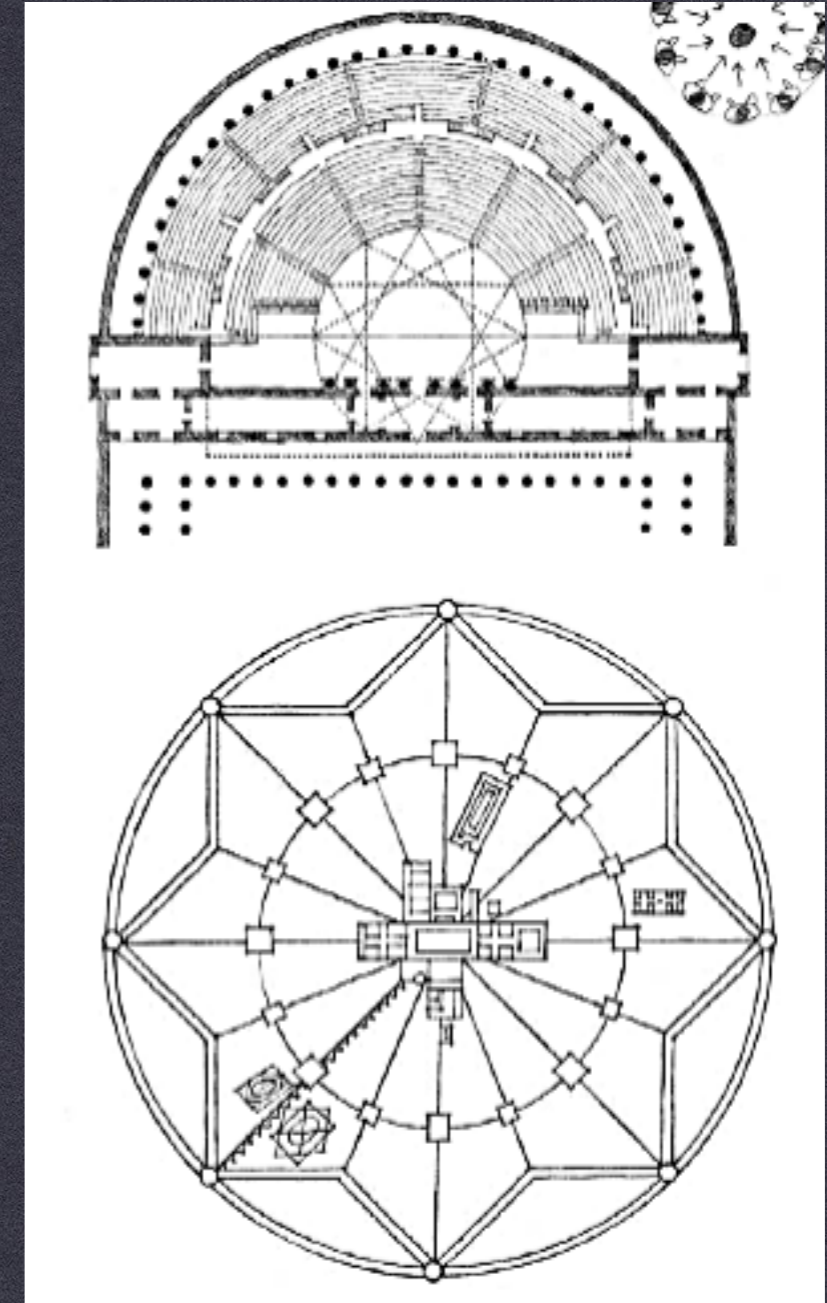
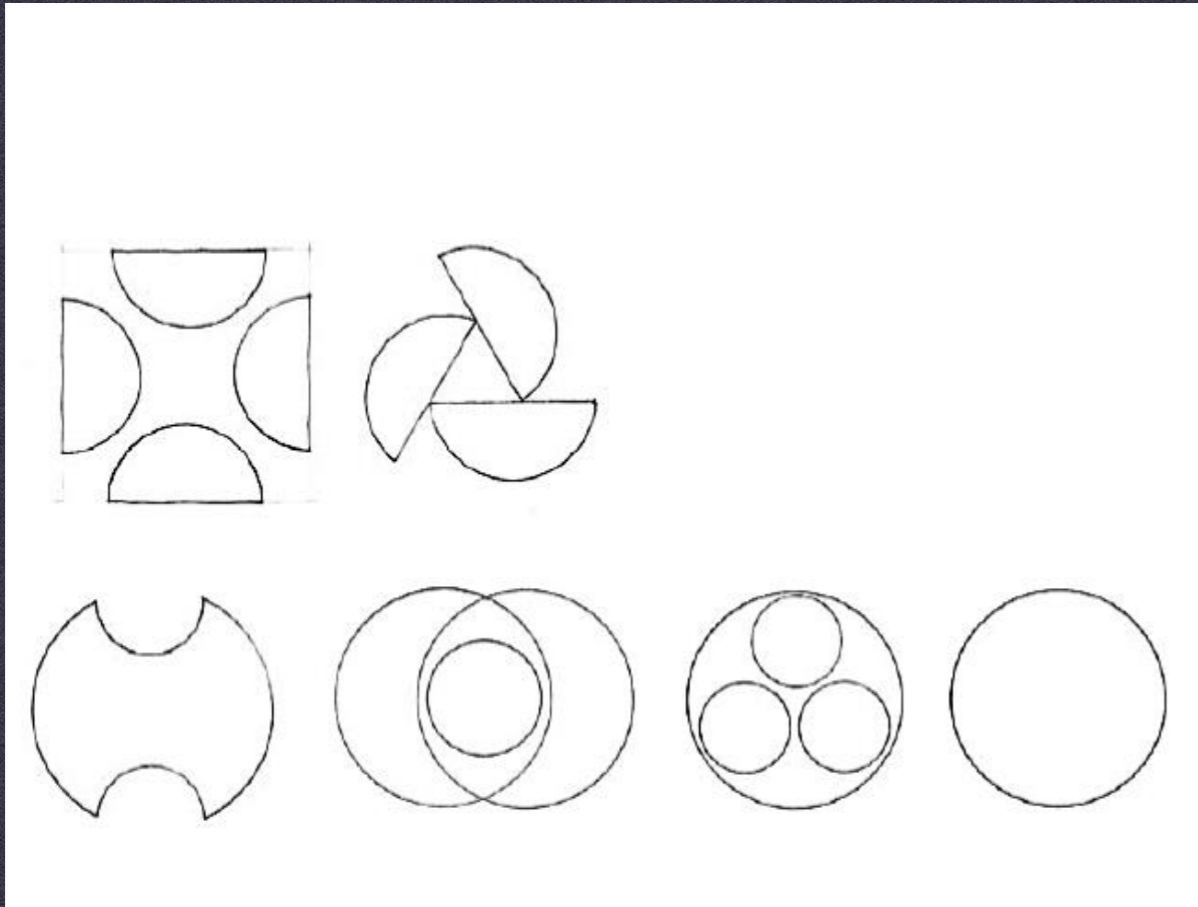


- الأشكال الهندسية الأساسية Basic Geometrical Shapes

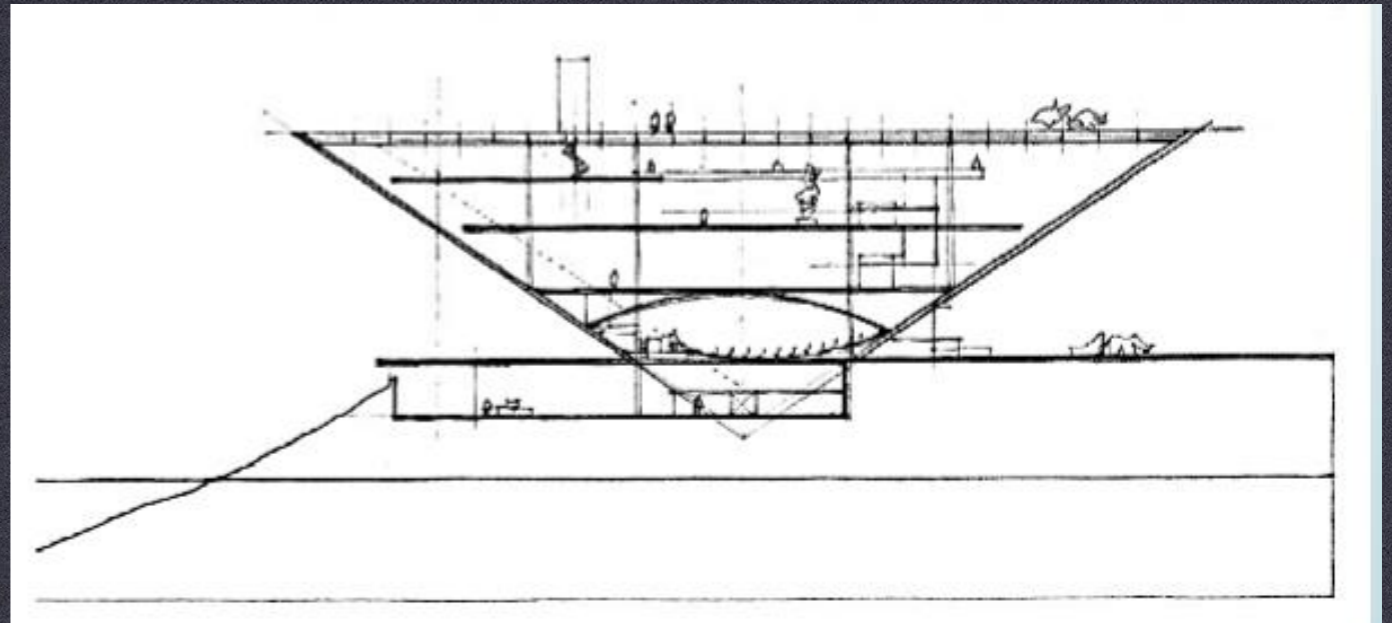
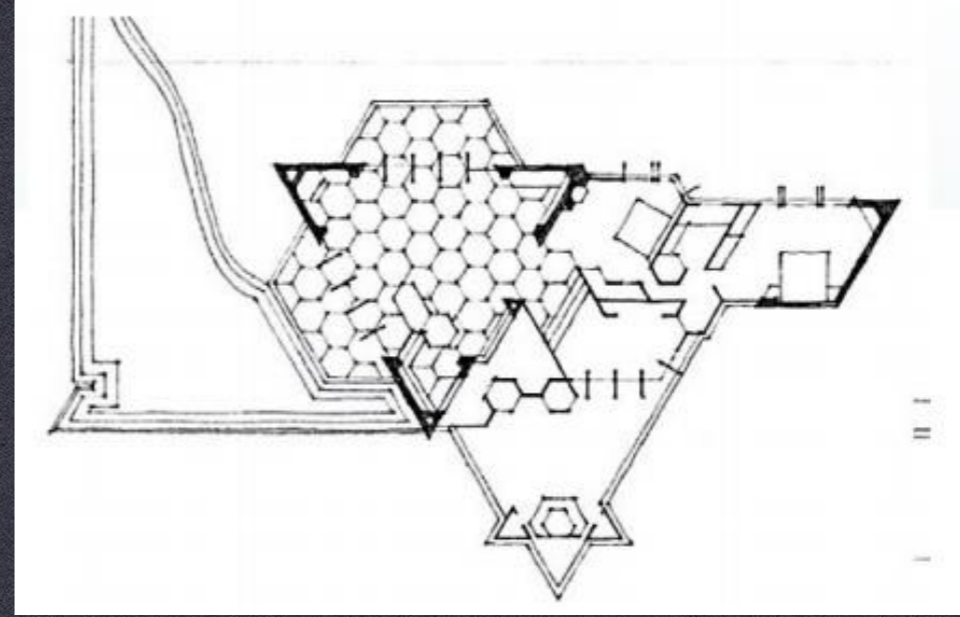
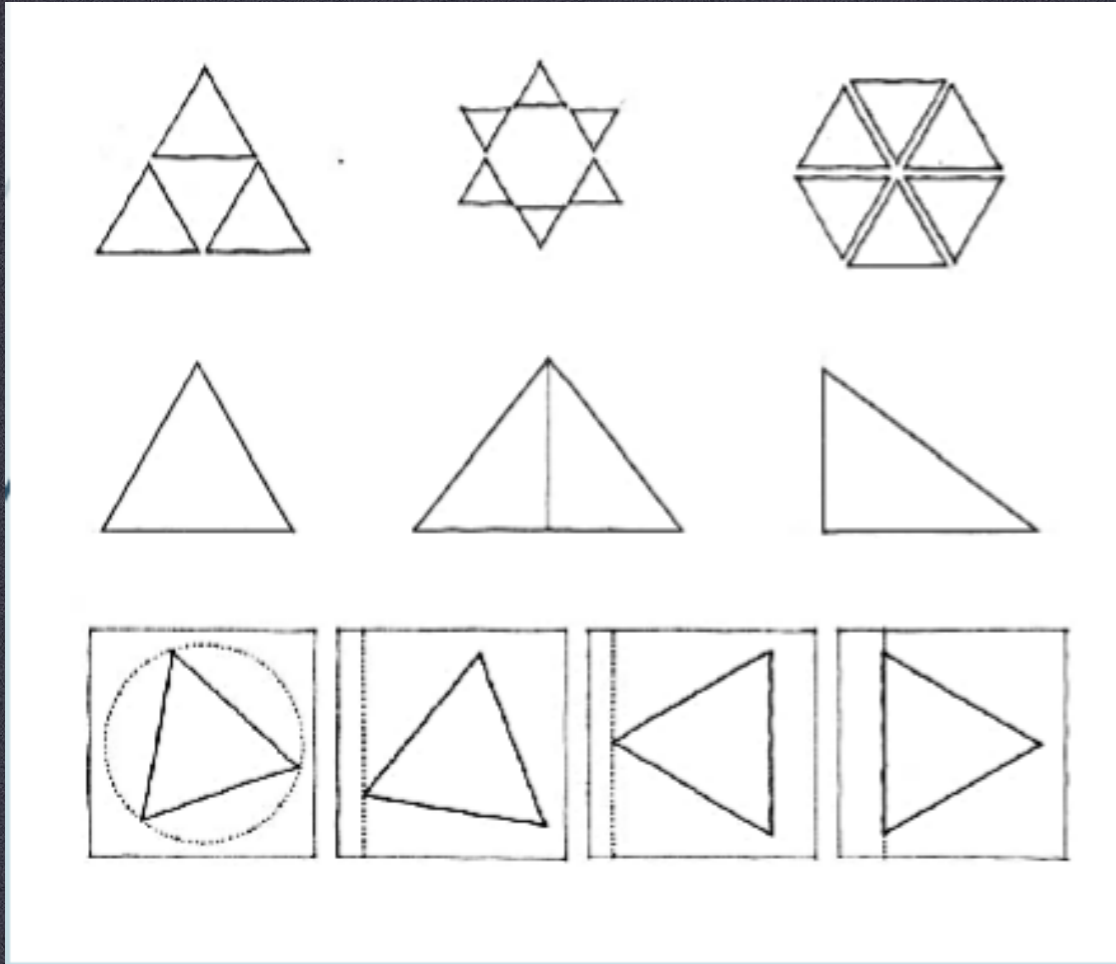
- الدائرة: هي شكل مستوي كل نقاط الالتقاء به منحنية ومتساوية الزوايا.
- المثلث: هو شكل يحده ثلاثة جوانب وله ثلاث زوايا
- المربع: هو شكل له أربعة أضلاع متساوية وأربع زوايا قائمة.



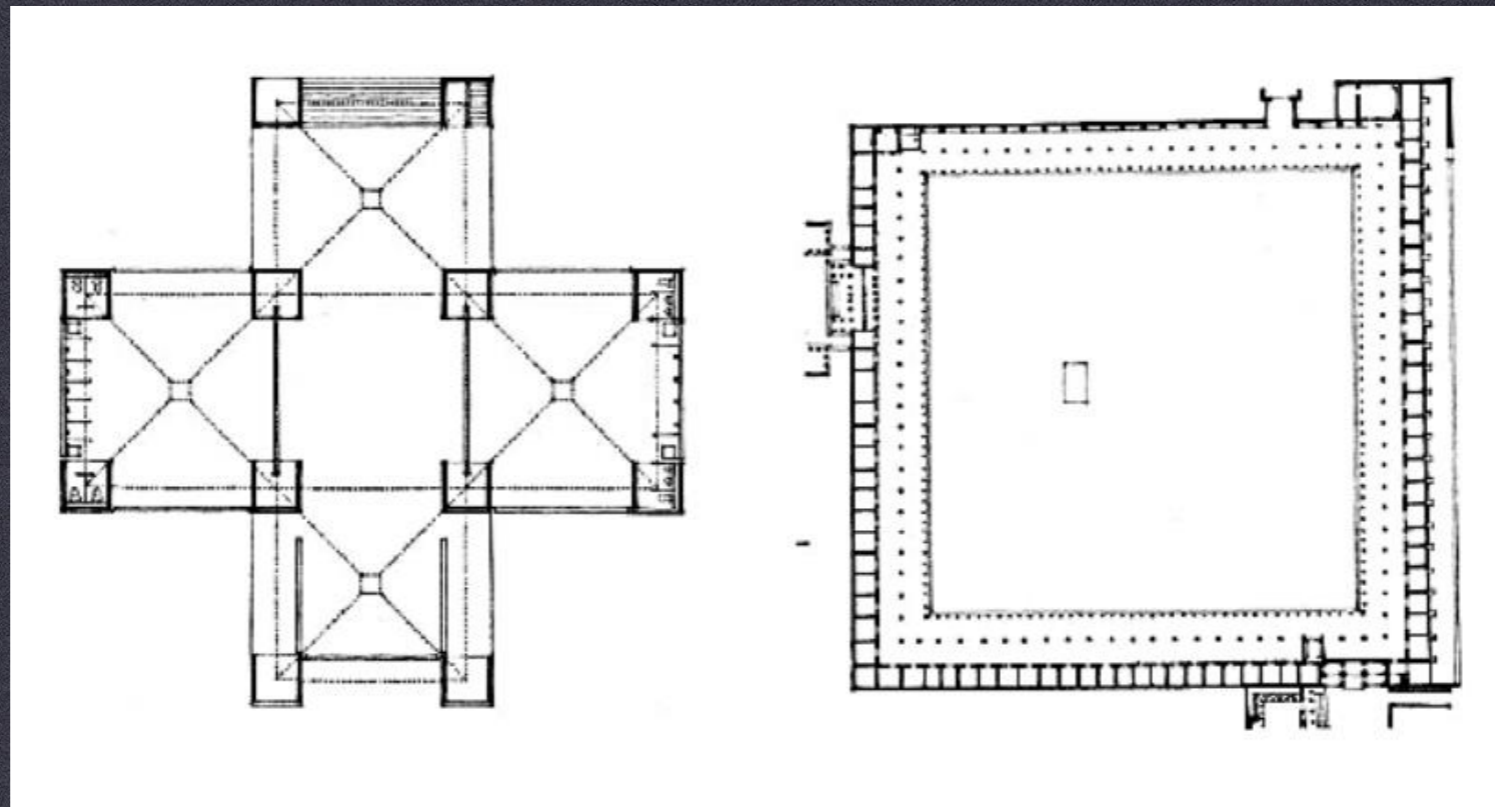
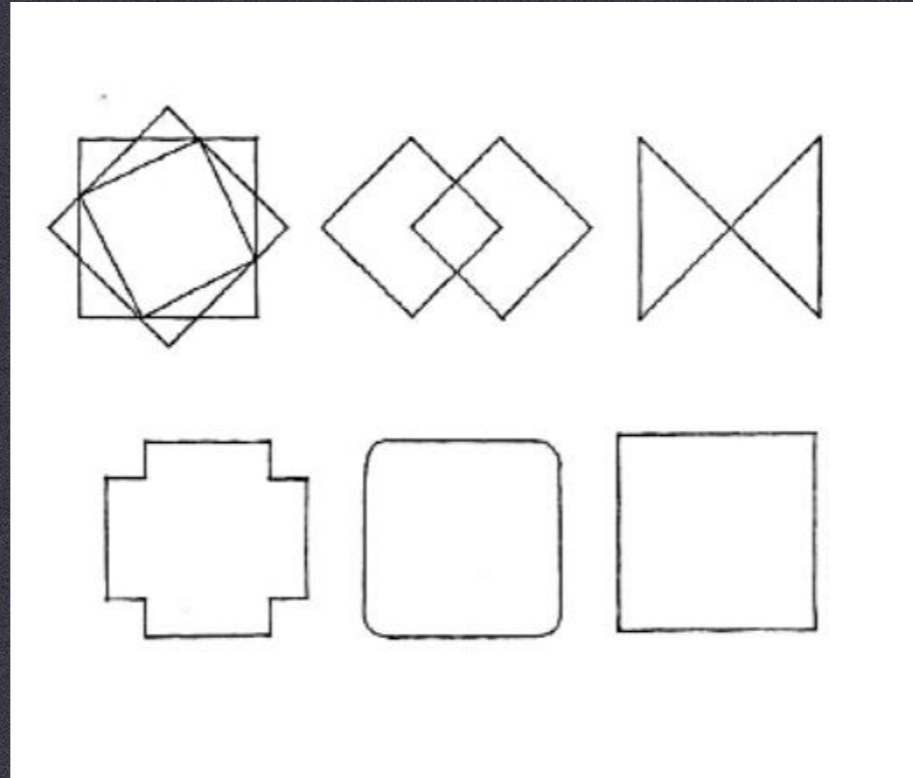
التكوين بالدائرة



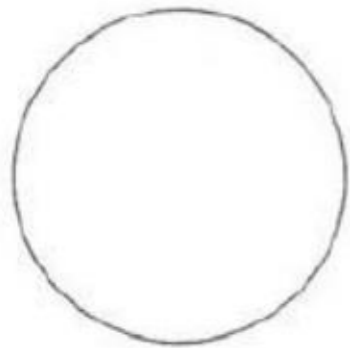
التكوين بالمثلث



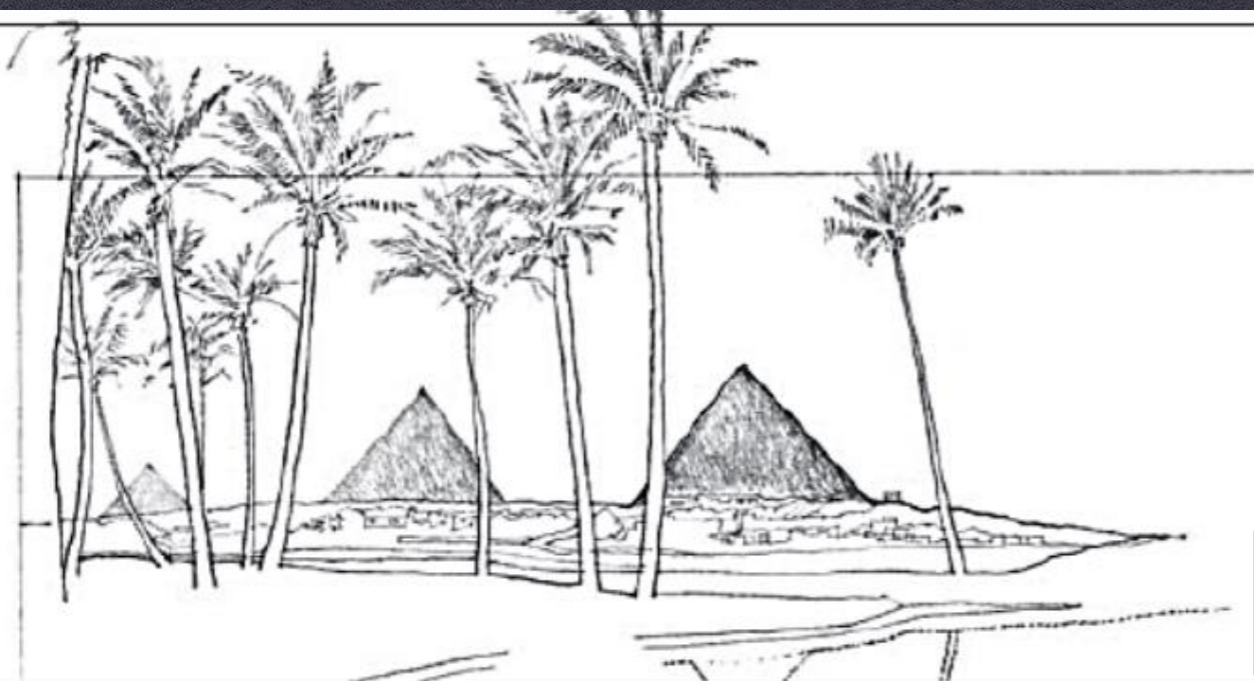
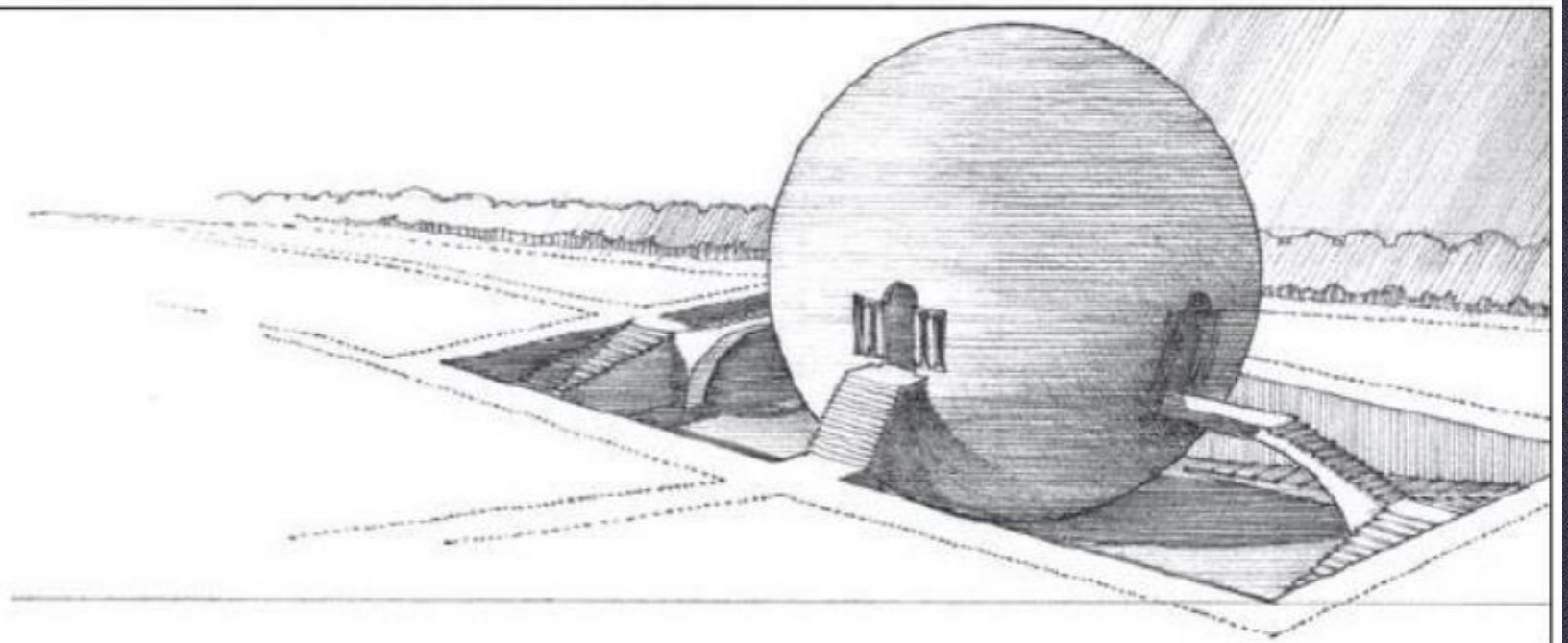
التكوين بالمربع



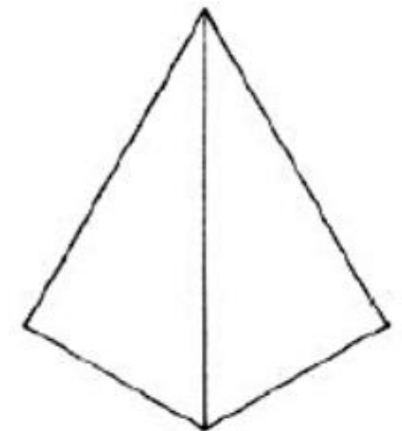
التكوينات الأولية



Sphere

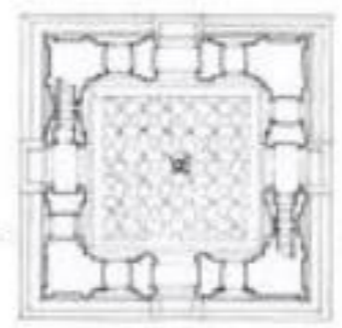
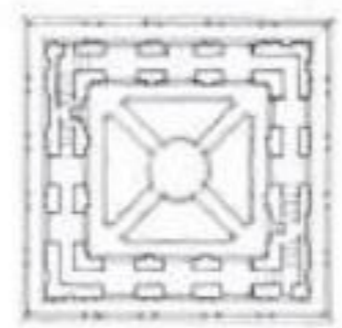
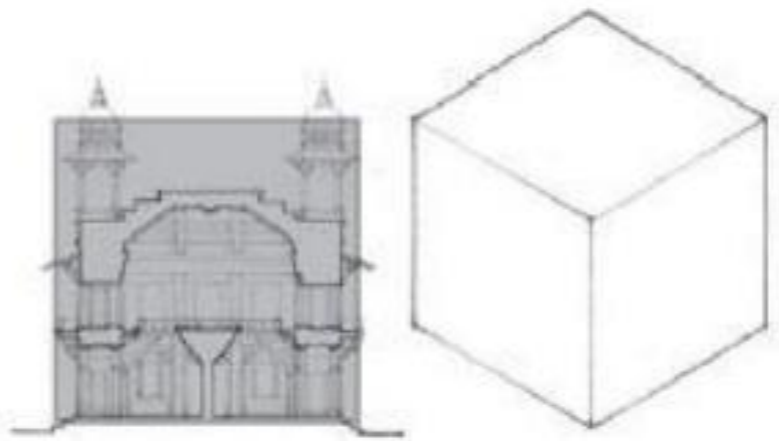
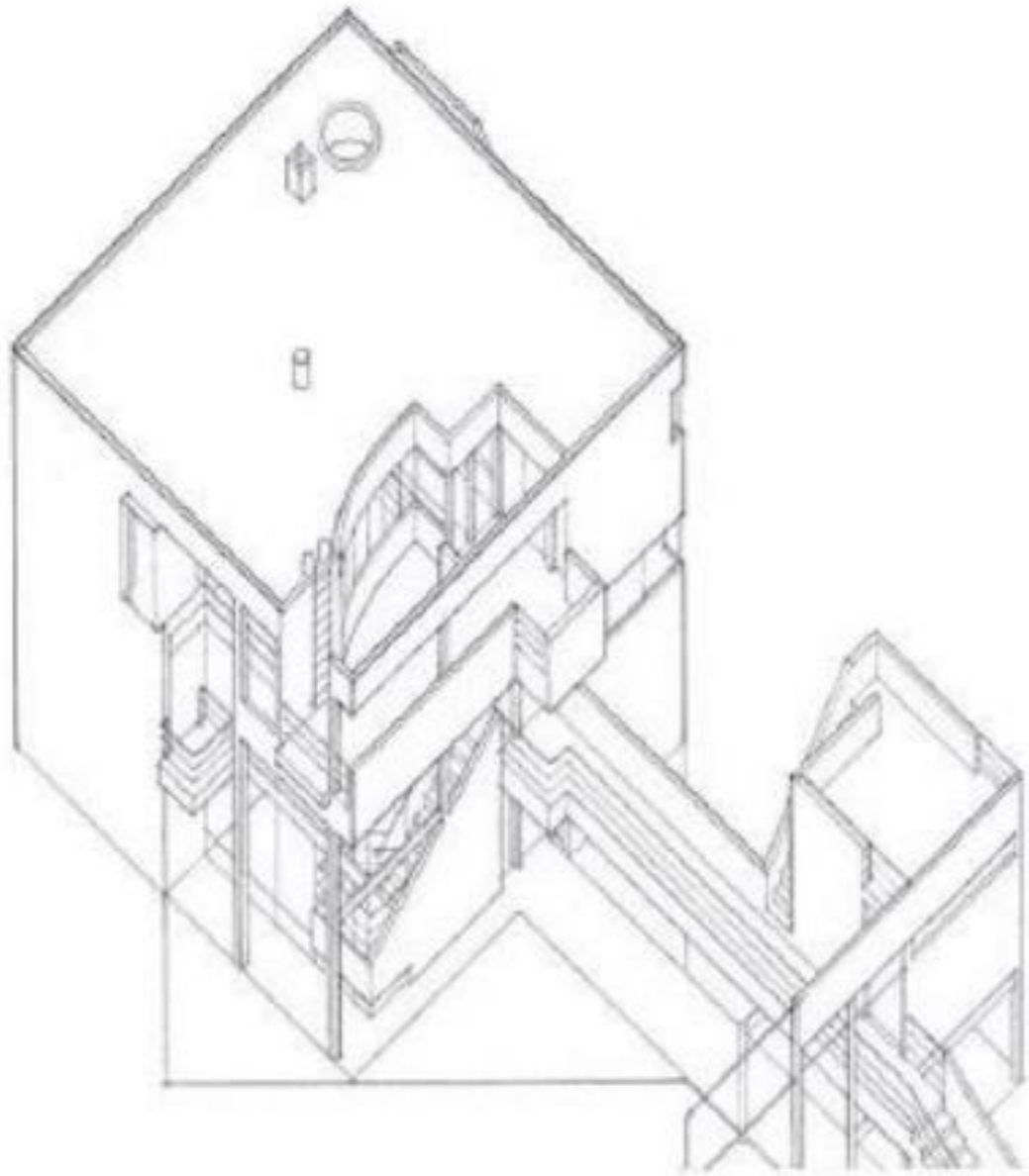


Pyramid



التكوينات الأولية

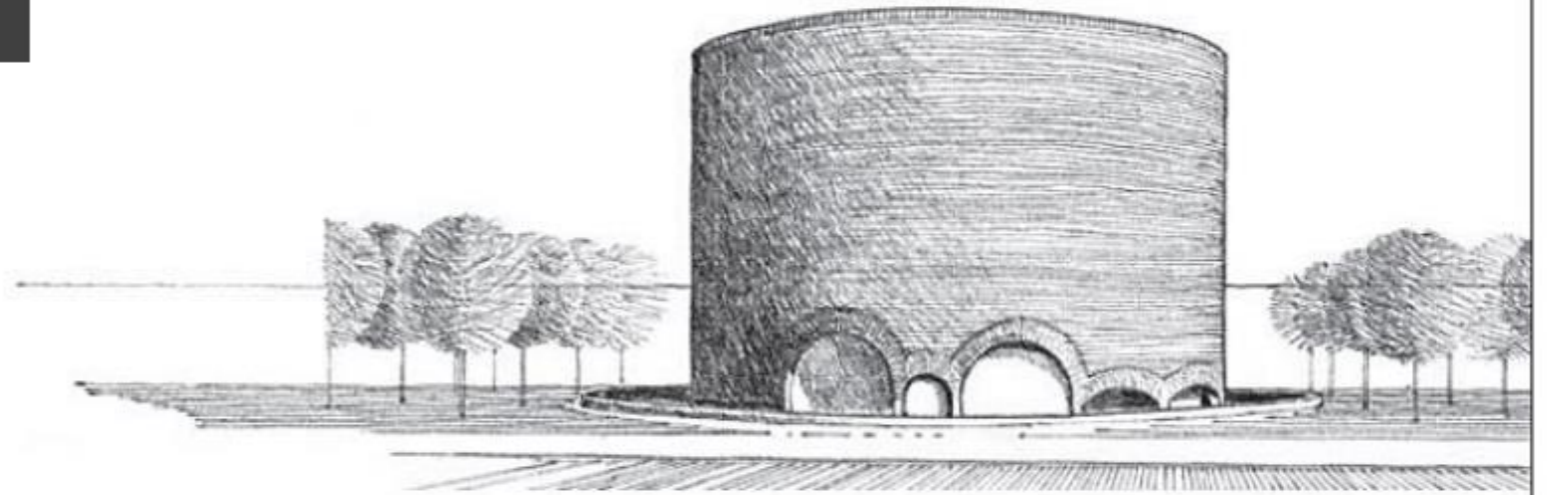
Cube



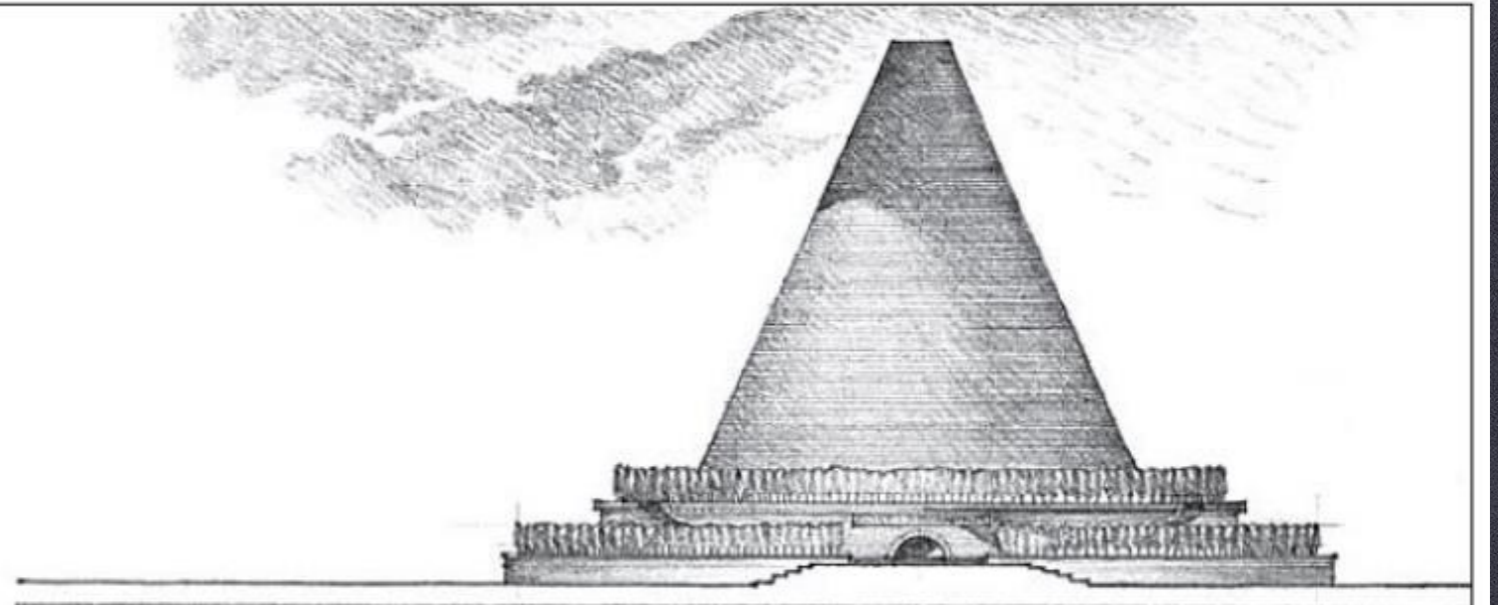
التكوينات الأولية



Cylinder



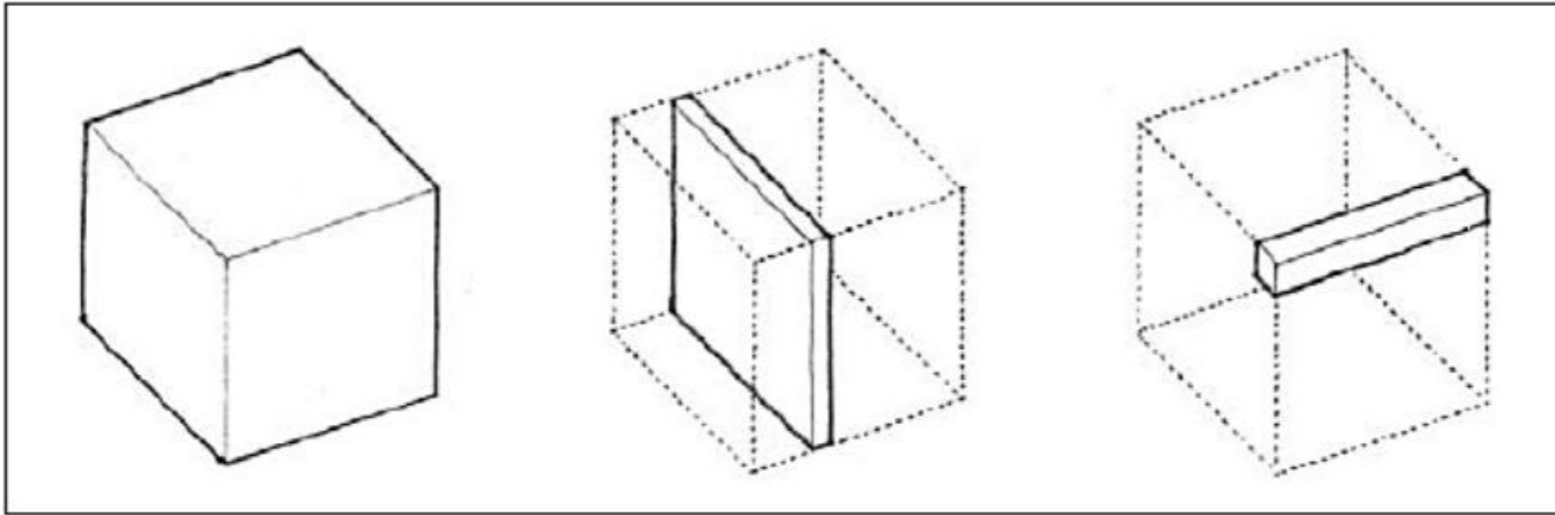
Cone



2- طرق ومبادئ التشكيل

أ- مبادئ التشكيل

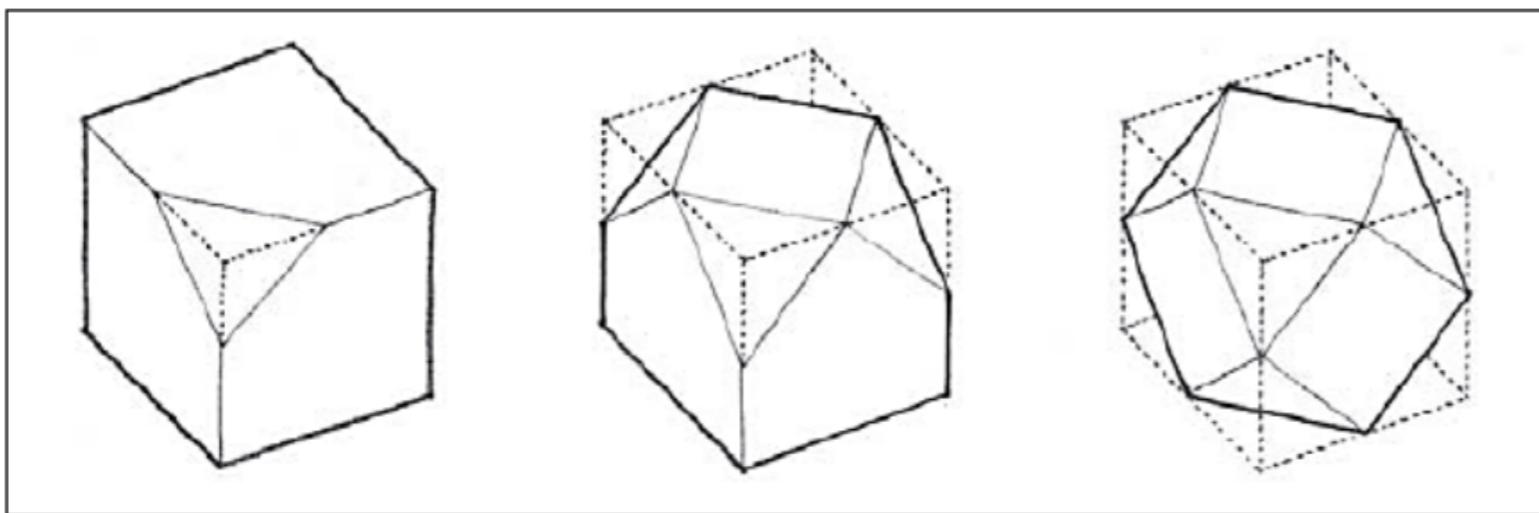
التغيير في الأبعاد



Dimensional Transformation

A form can be transformed by altering one or more of its dimensions and still retain its identity as a member of a family of forms. A cube, for example, can be transformed into similar prismatic forms through discrete changes in height, width, or length. It can be compressed into a planar form or be stretched out into a linear one.

التغيير بالطرح

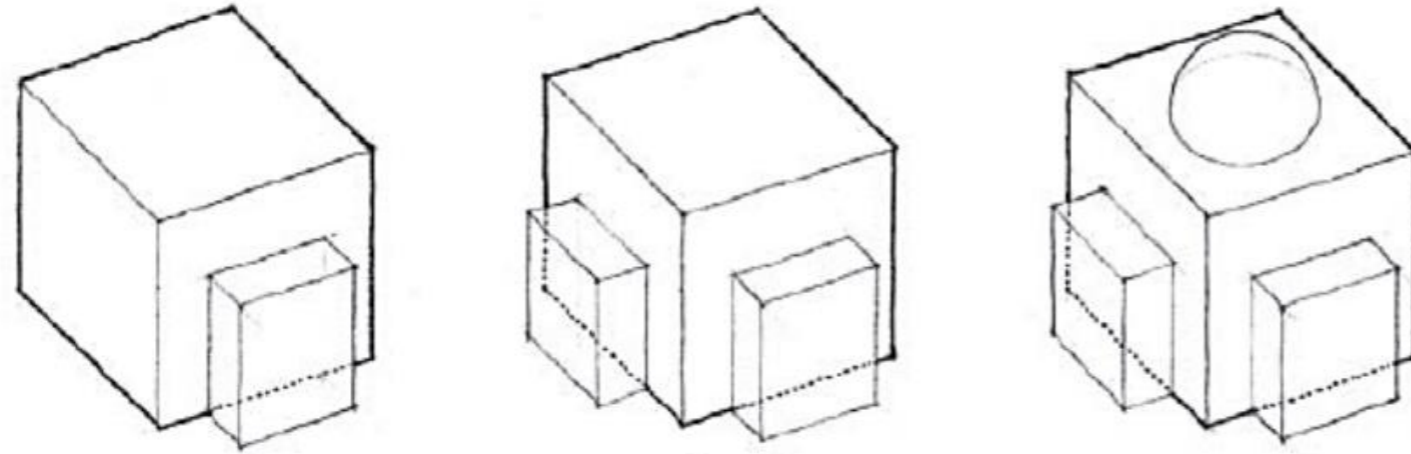


Subtractive Transformation

A form can be transformed by subtracting a portion of its volume. Depending on the extent of the subtractive process, the form can retain its initial identity or be transformed into a form of another family. For example, a cube can retain its identity as a cube even though a portion of it is removed, or be transformed into a series of regular polyhedrons that begin to approximate a sphere.

2- طرق ومبادئ التشكيل

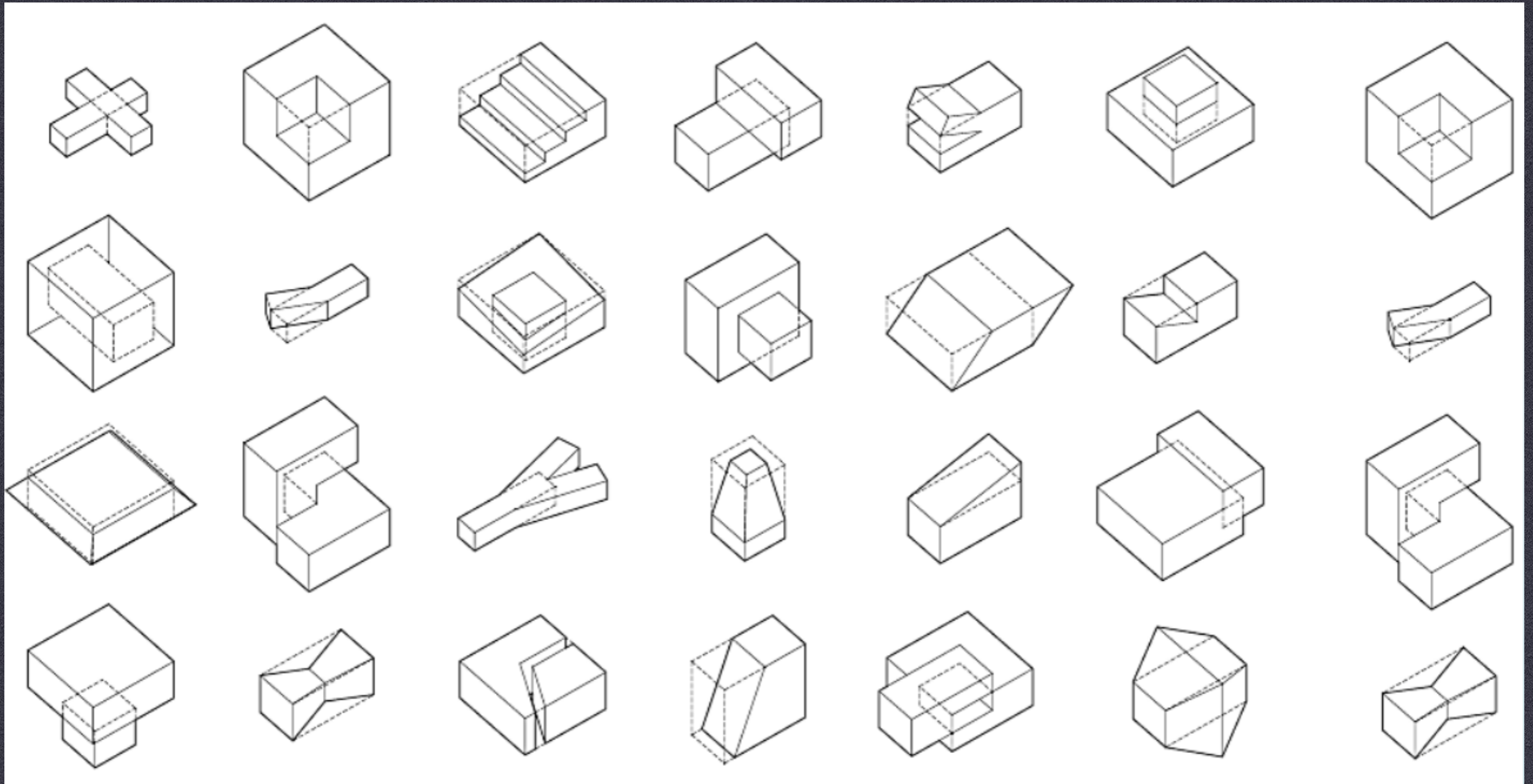
التغيير بالجمع



Additive Transformation

A form can be transformed by the addition of elements to its volume. The nature of the additive process and the number and relative sizes of the elements being attached determine whether the identity of the initial form is altered or retained.

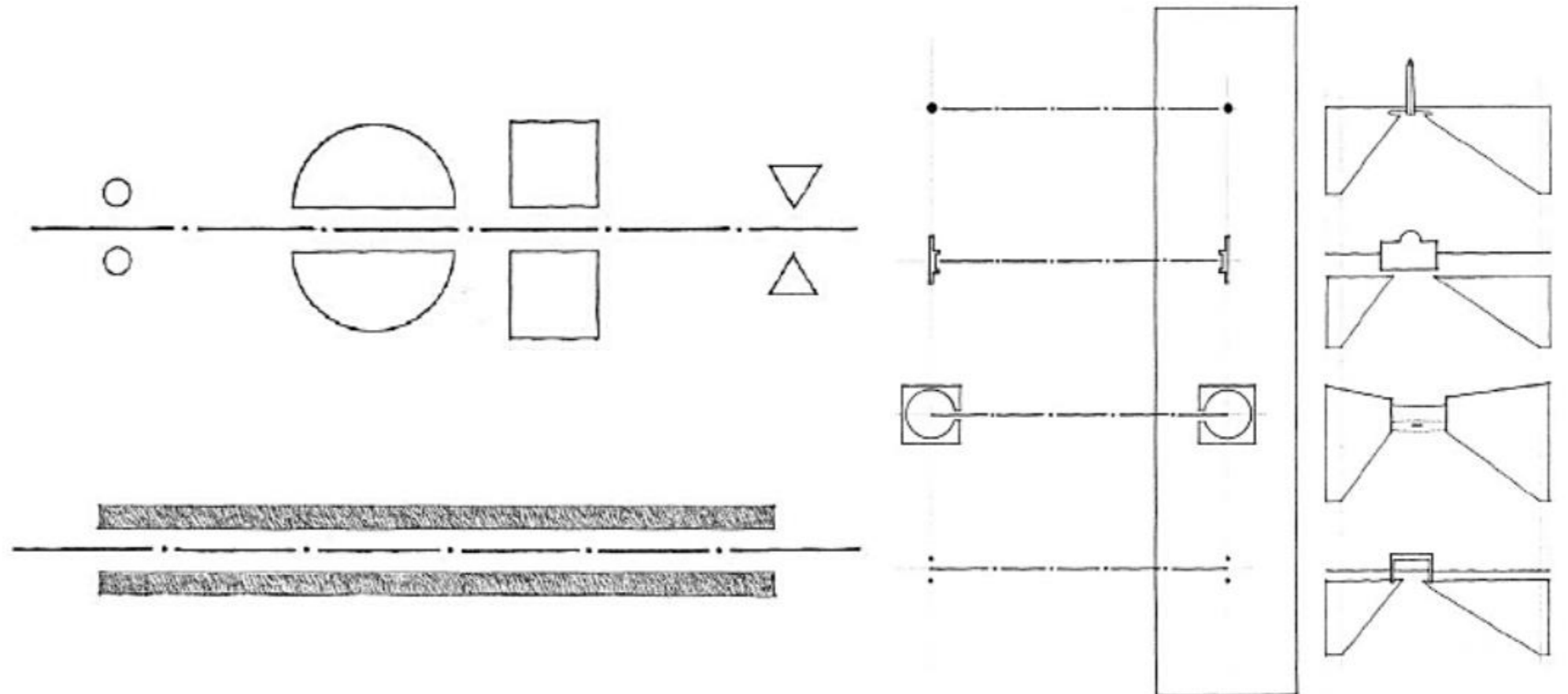
ب- طرق التشكيل



ب- طرق التشكيل

- محوري

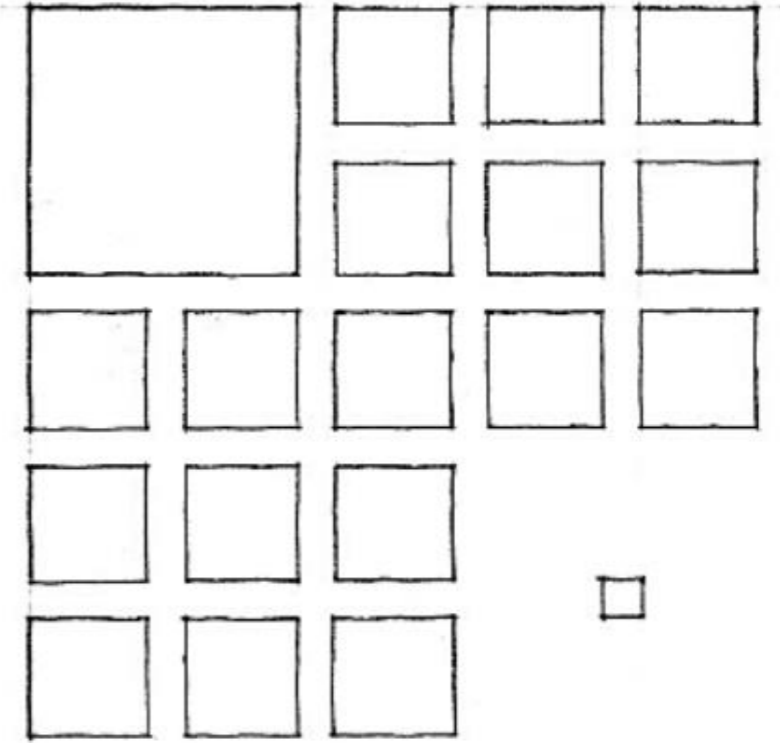
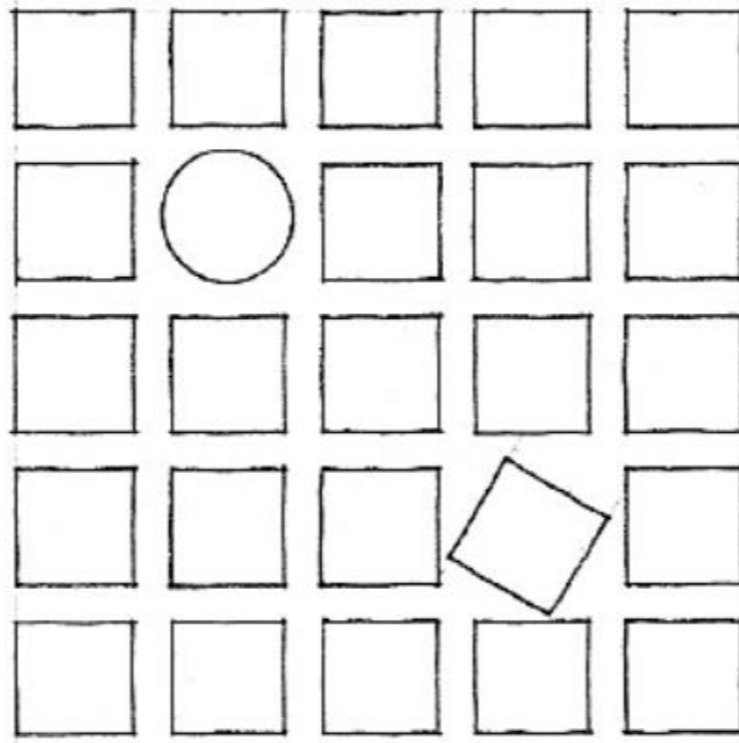
AXIAL



ب- طرق التشكيل

- تسلسل

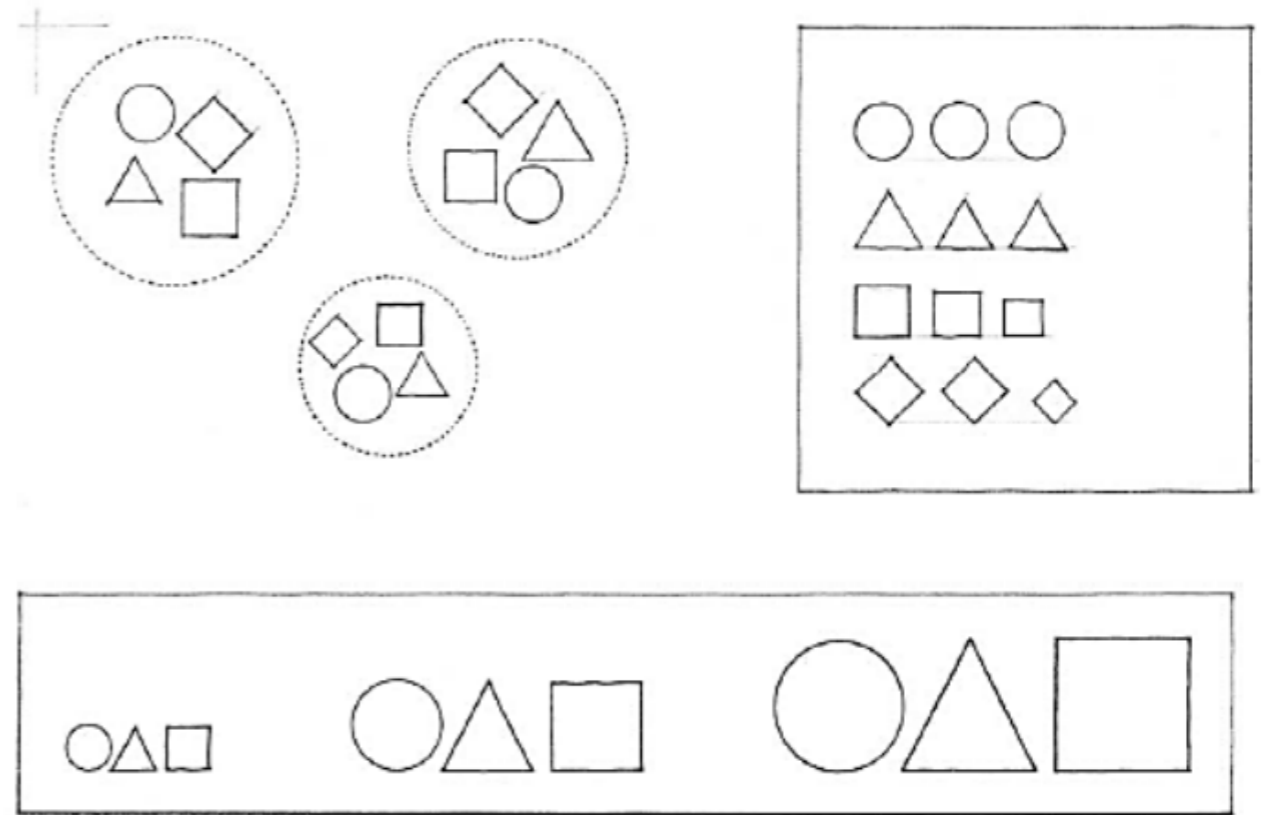
HIERARCHY



ب- طرق التشكيل

- ايقاع

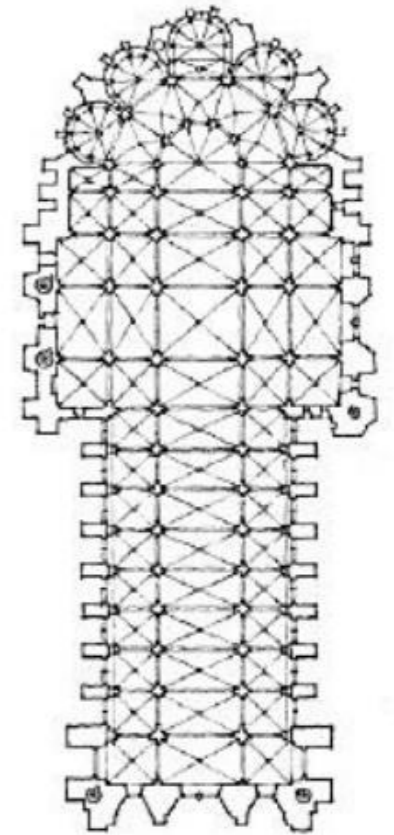
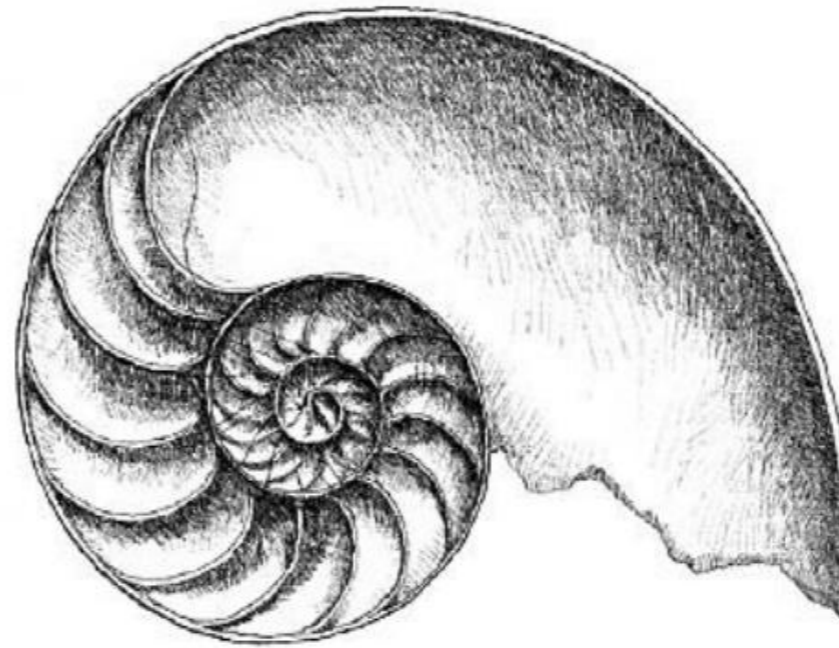
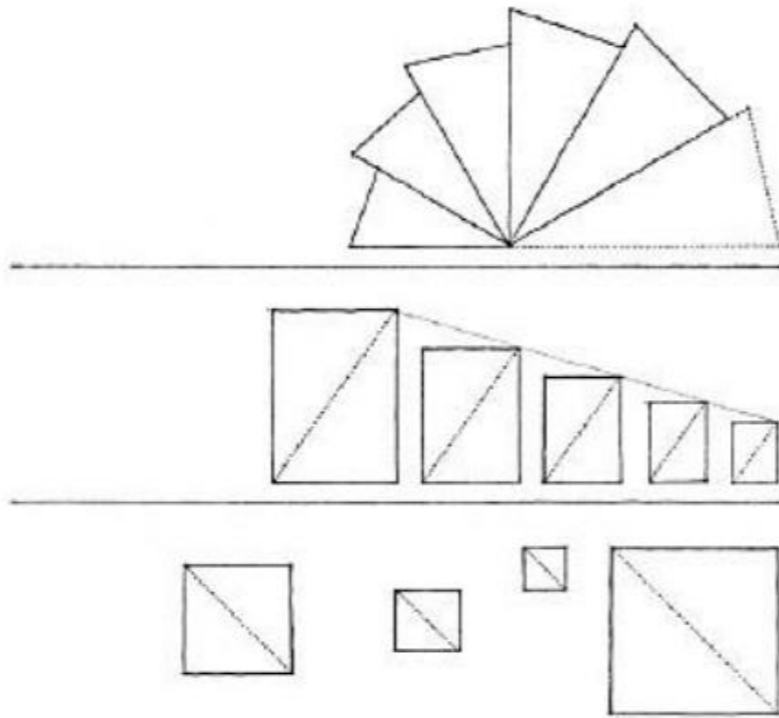
RHYTHM



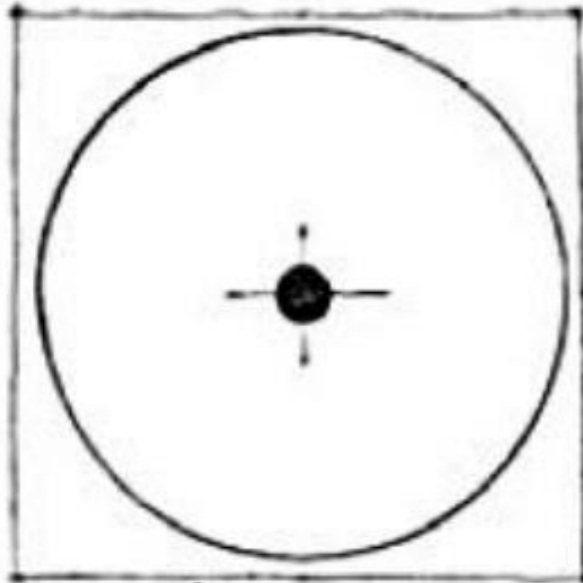
ب- طرق التشكيل

- التكرار

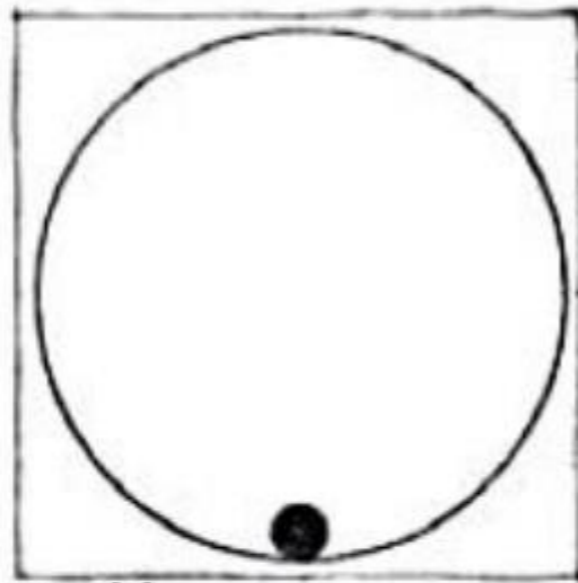
REPETITION



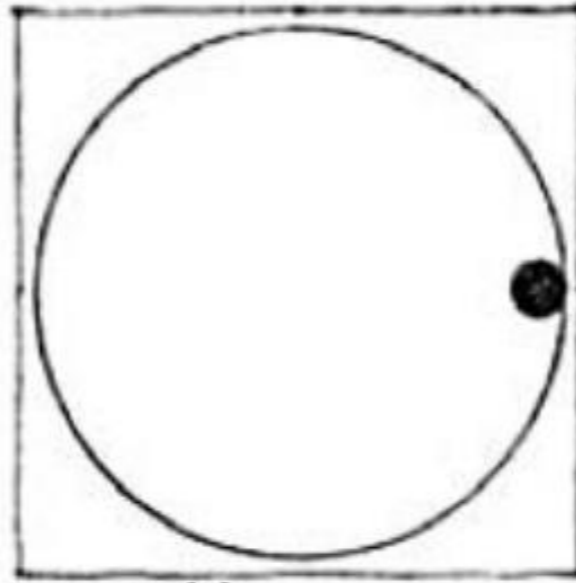
القيم الجمالية للتشكيل



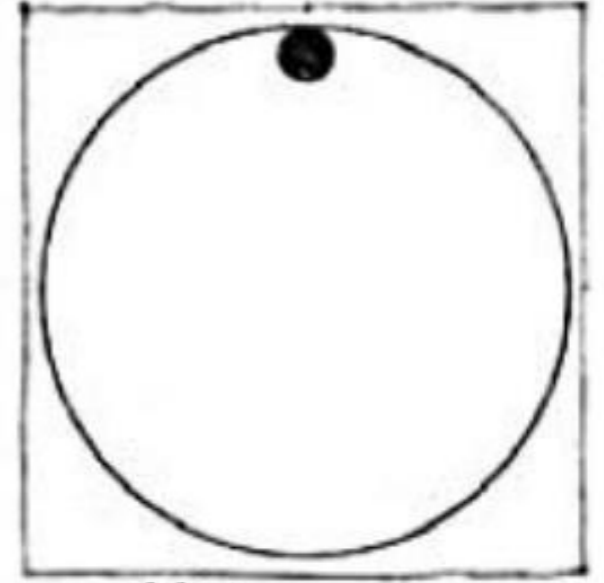
neutral



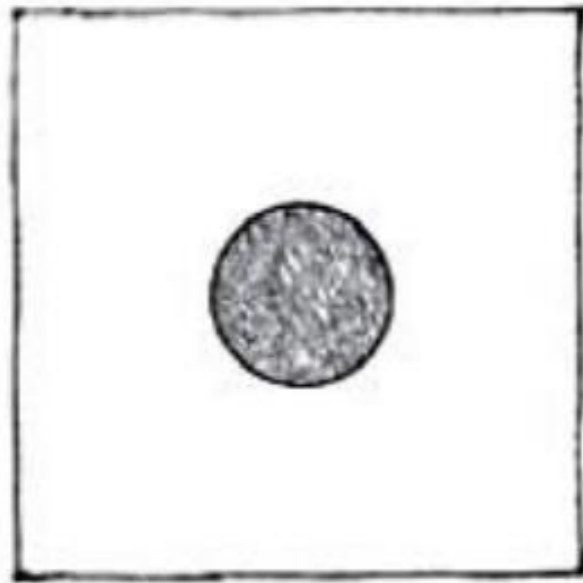
stable



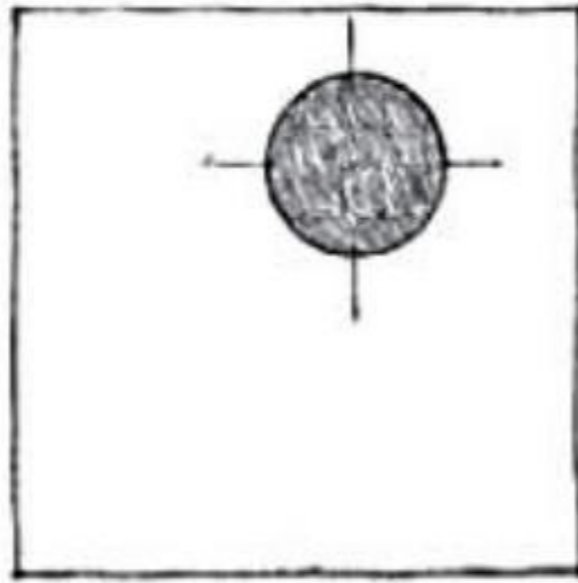
unstable



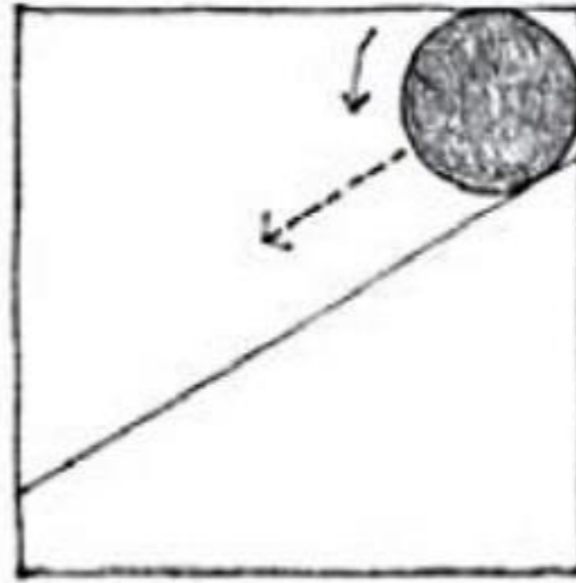
equilibrium



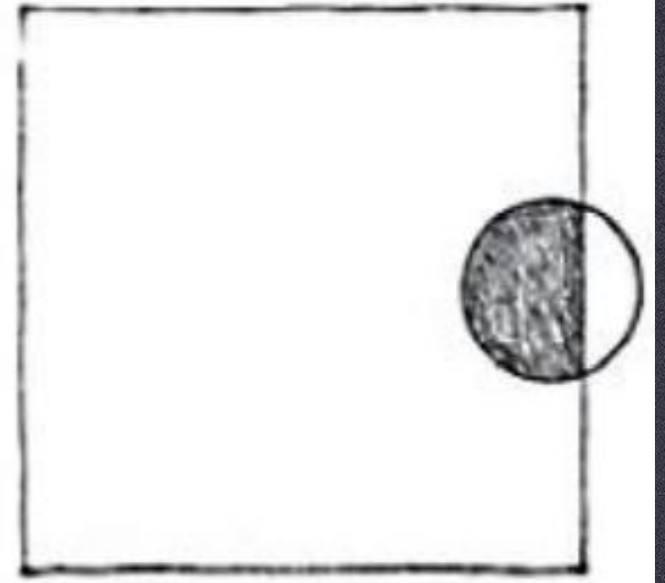
stable



self-centered



dynamic

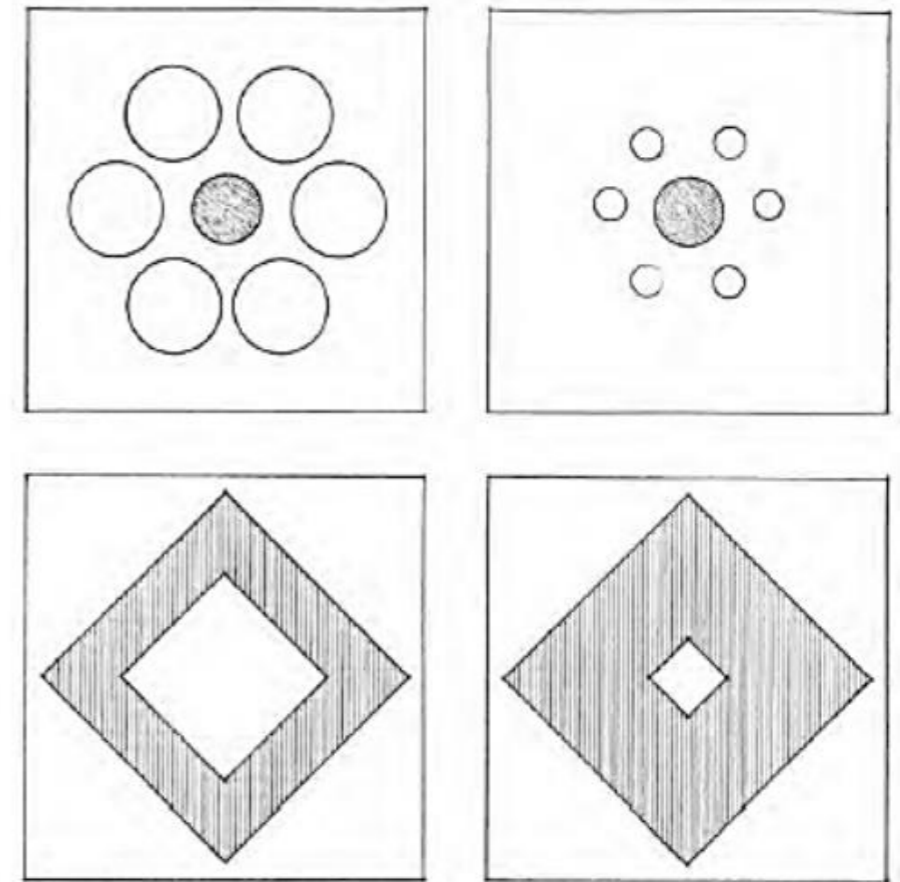


fixed in place

القيم الجمالية للتشكيل

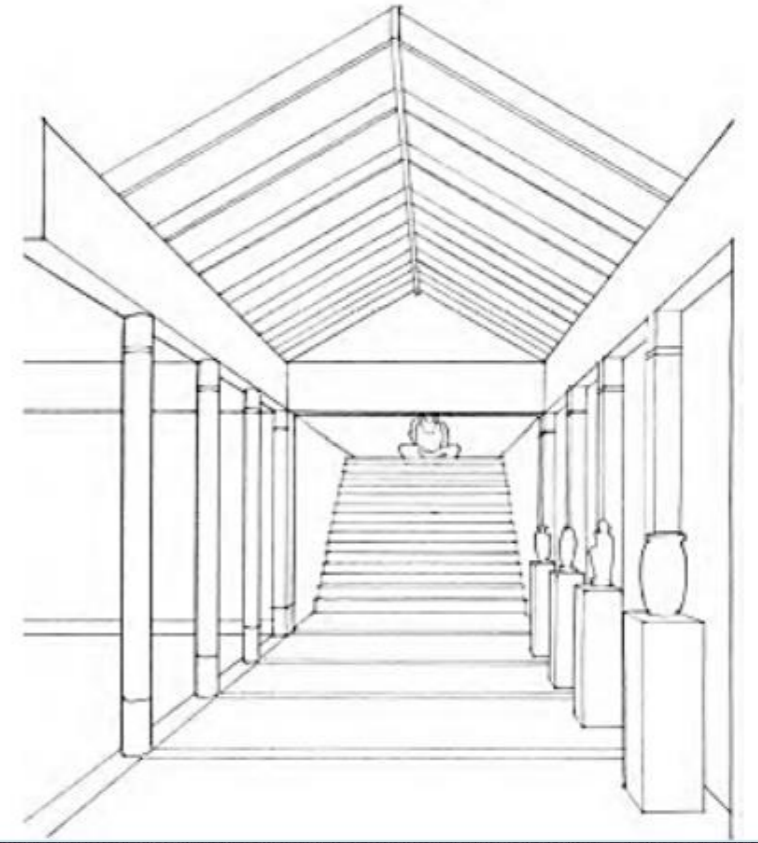
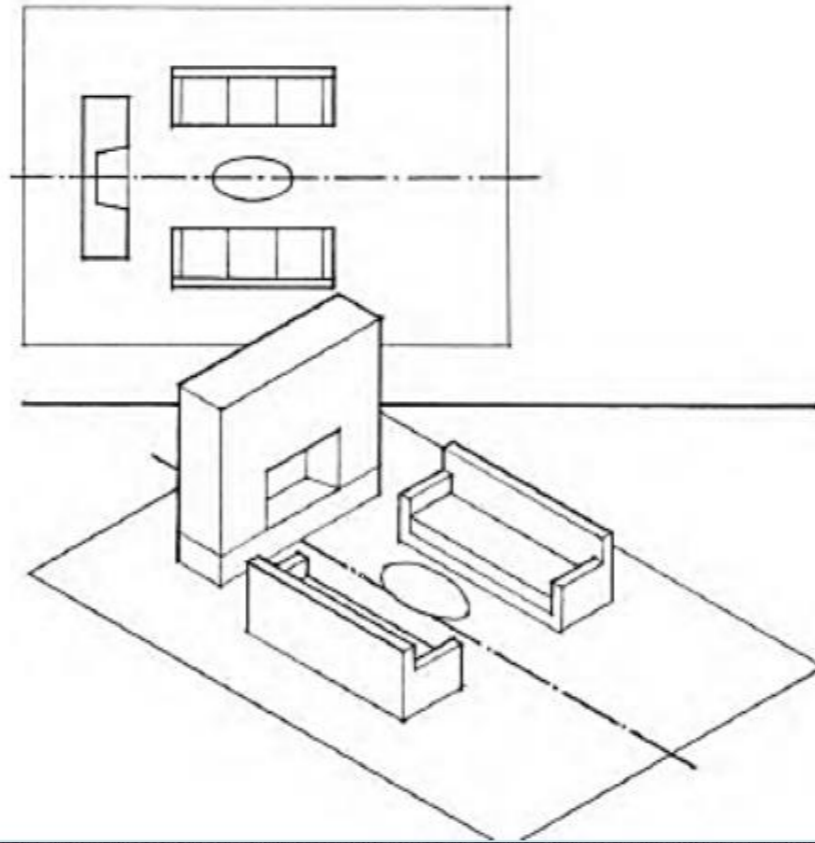
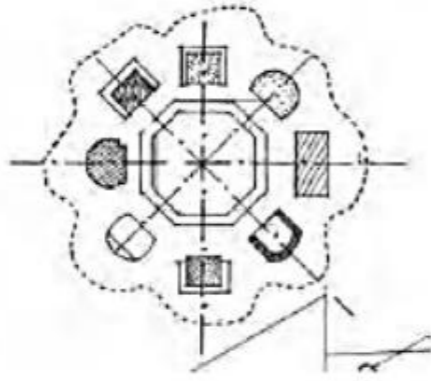
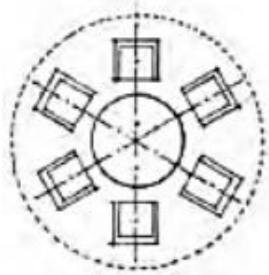
PROPORTION

Proportion refers to the relationship of one part to another or to the whole, or between one object and another. This relationship may be one of magnitude, quantity, or degree.



القيم الجمالية للتشكيل

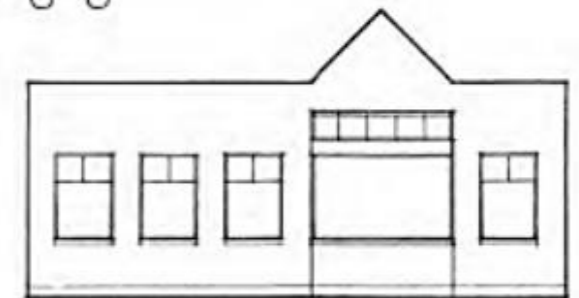
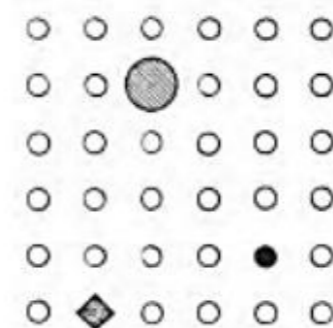
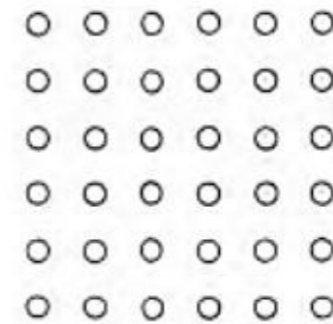
BALANCE



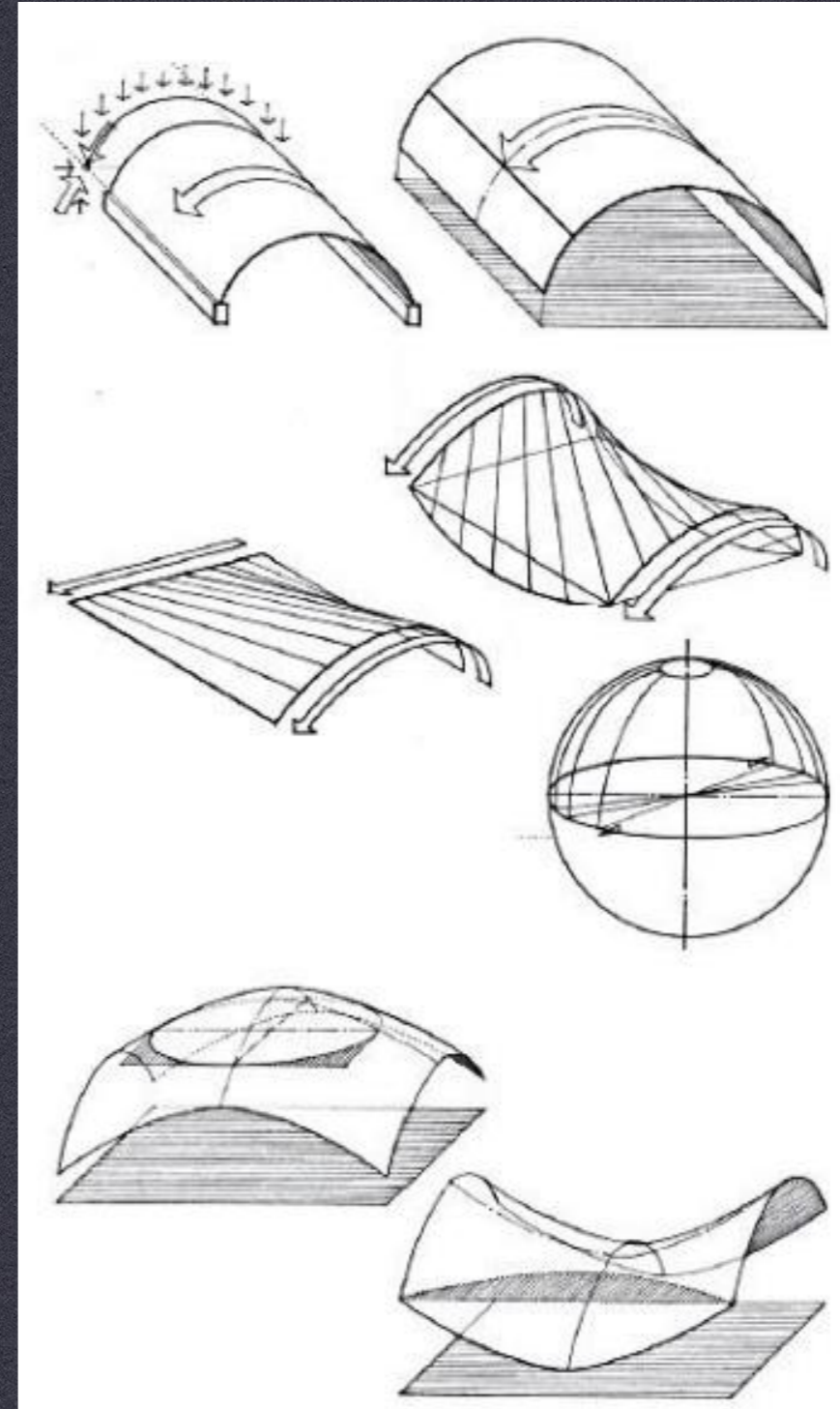
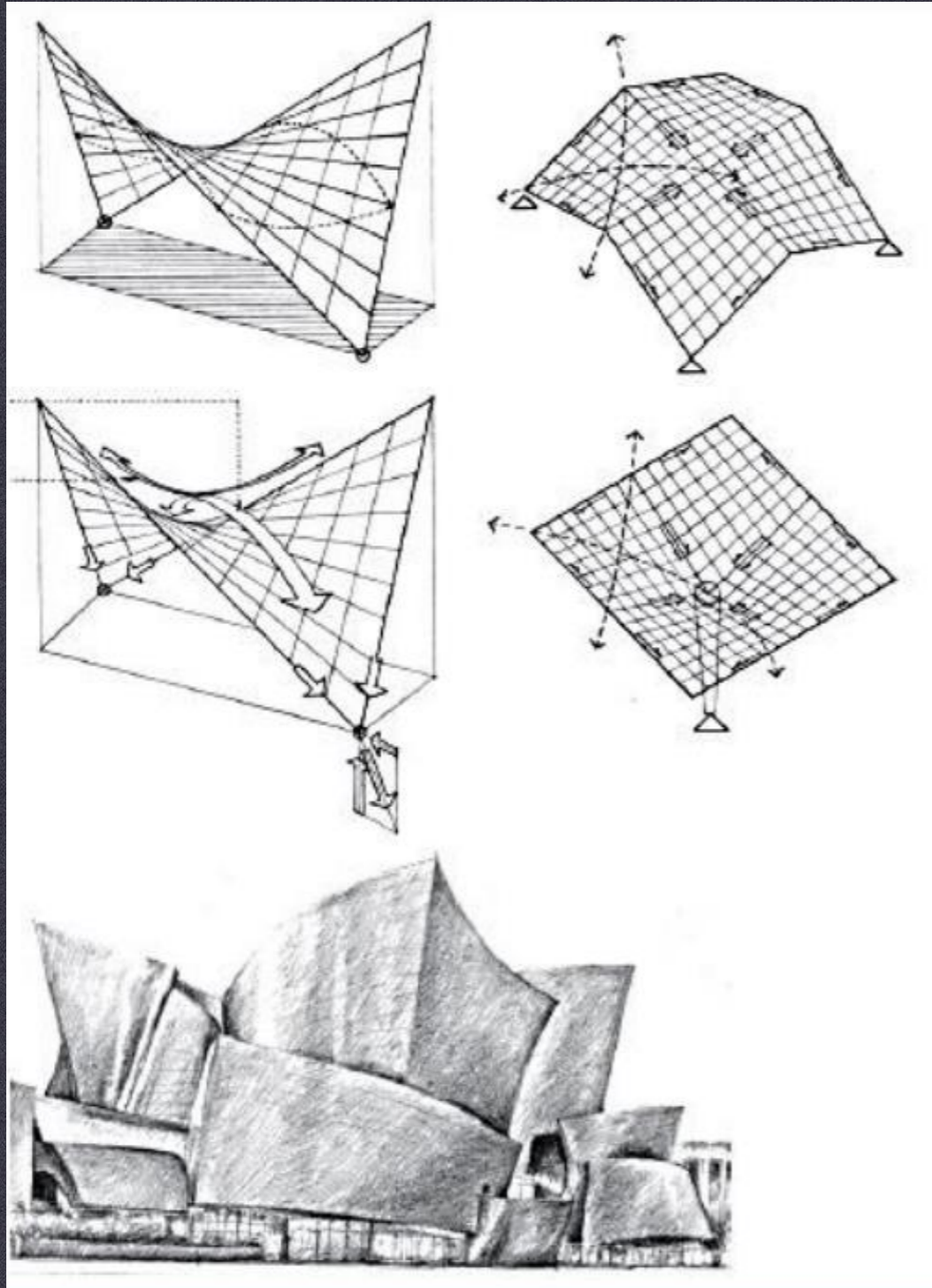
القيم الجمالية للتشكيل

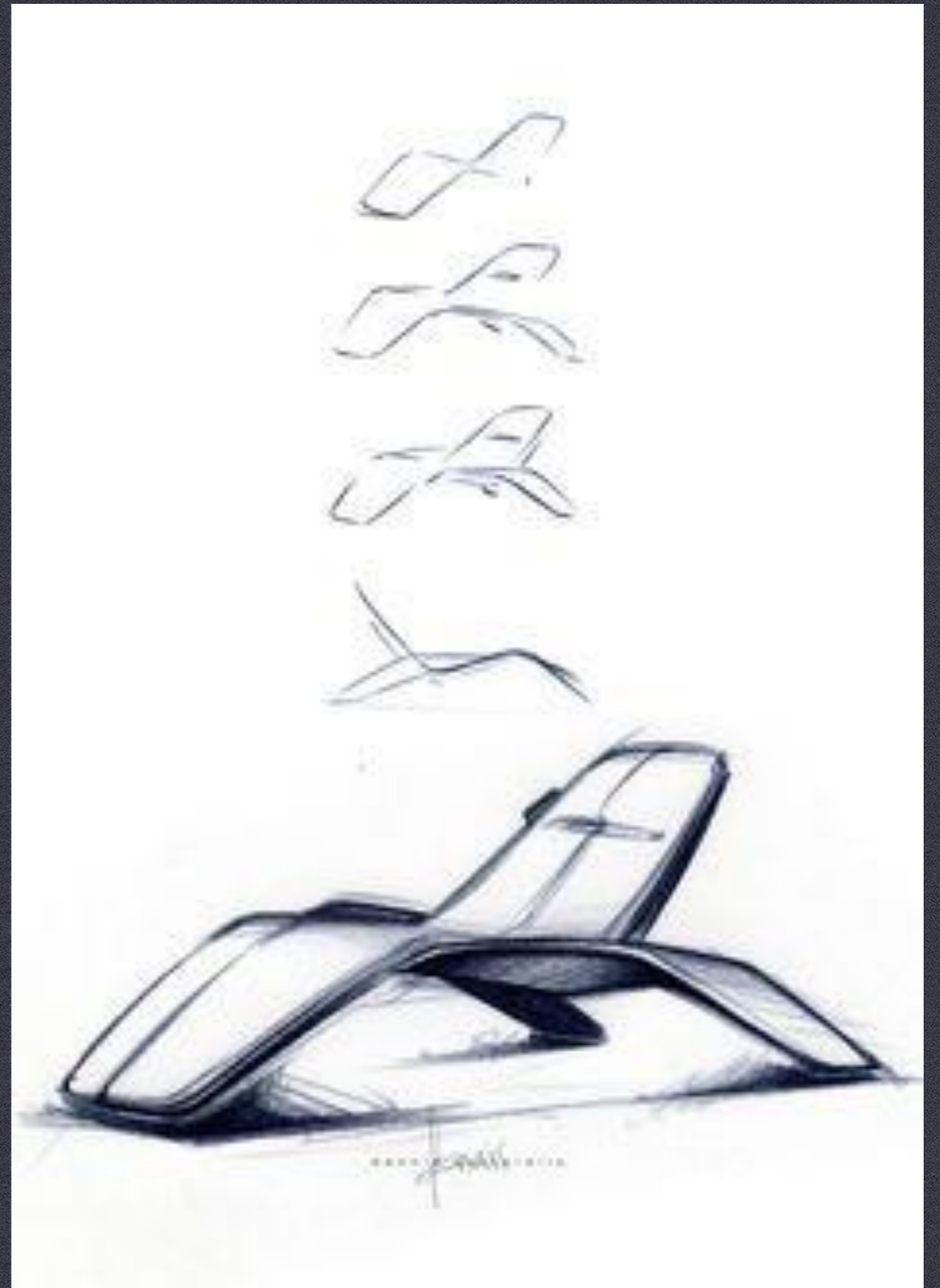
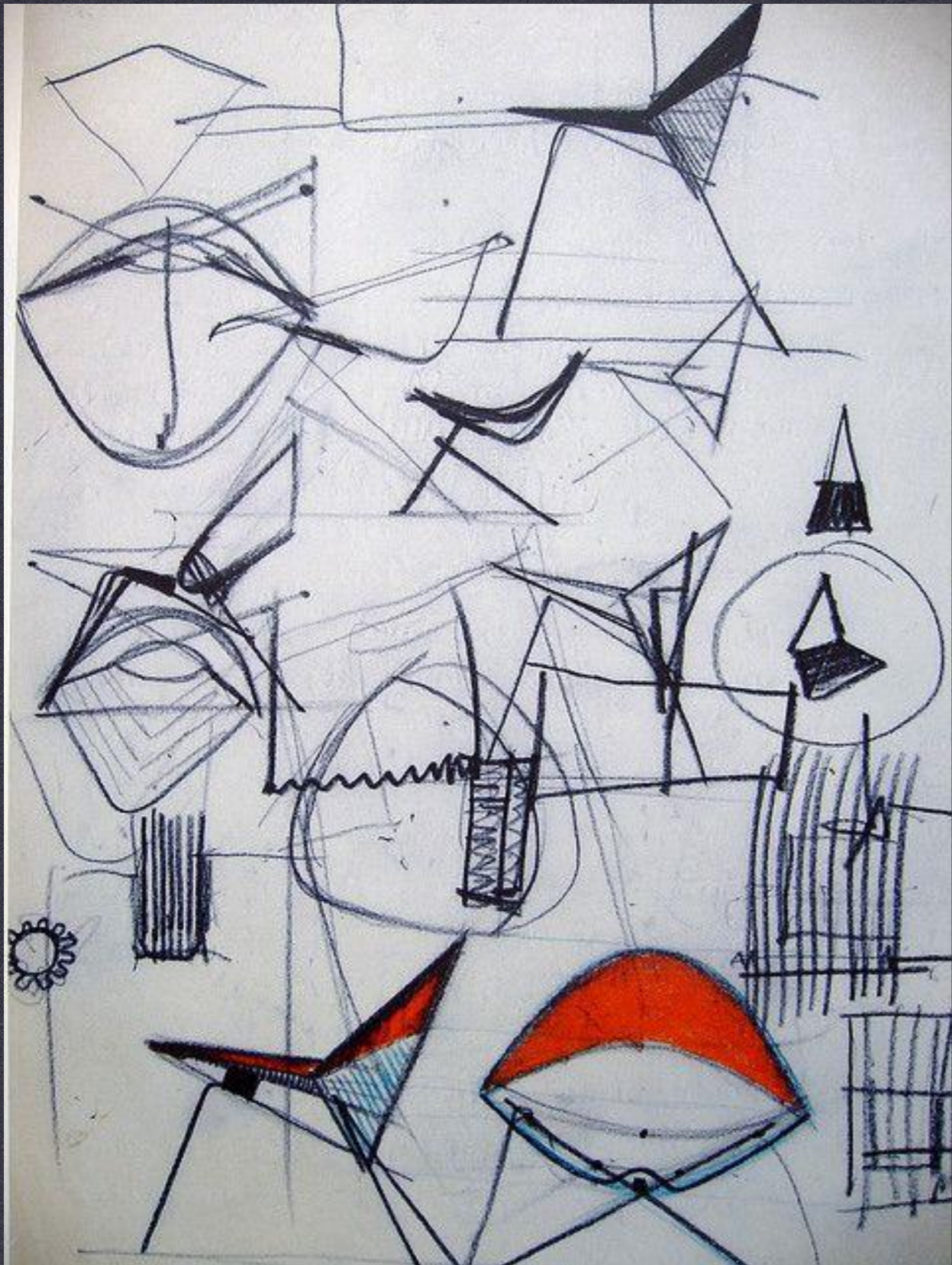
EMPHASIS

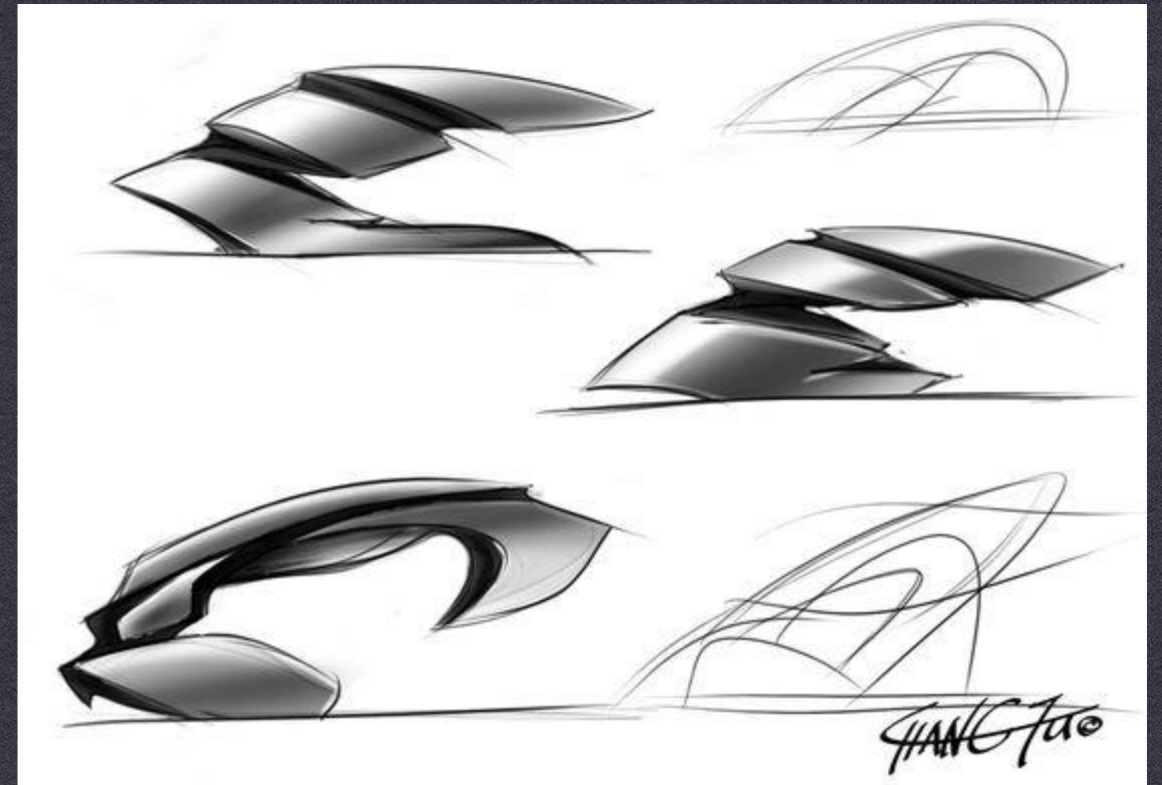
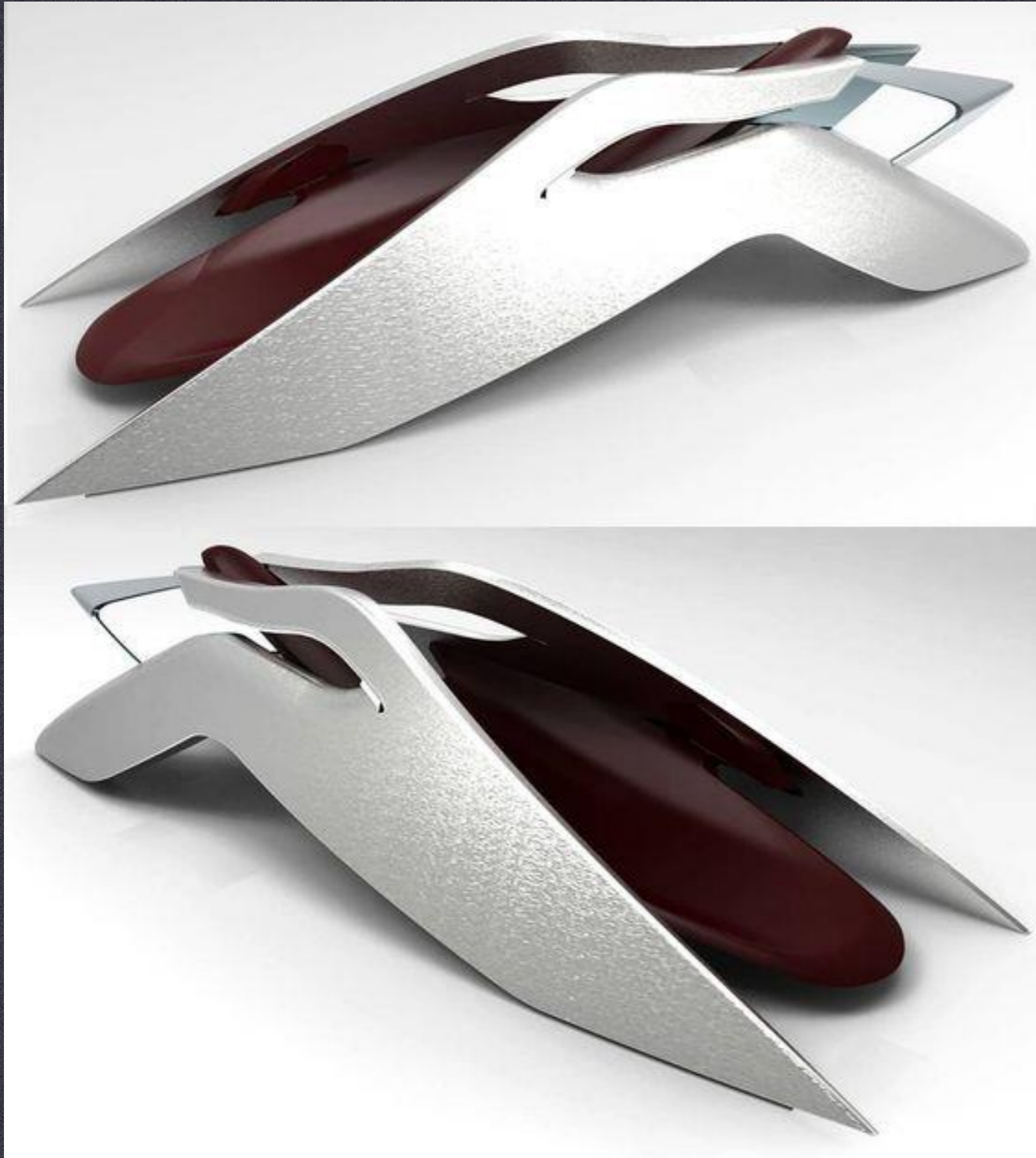
The principle of emphasis assumes the coexistence of dominant and subordinate elements in the composition of an interior setting. A design without any dominant elements would be bland and monotonous. If there are too many assertive elements, the design will be cluttered and chaotic, detracting from what may be important. Each part of a design should be given proper significance according to its degree of importance in the overall scheme.



التشكيل الحر

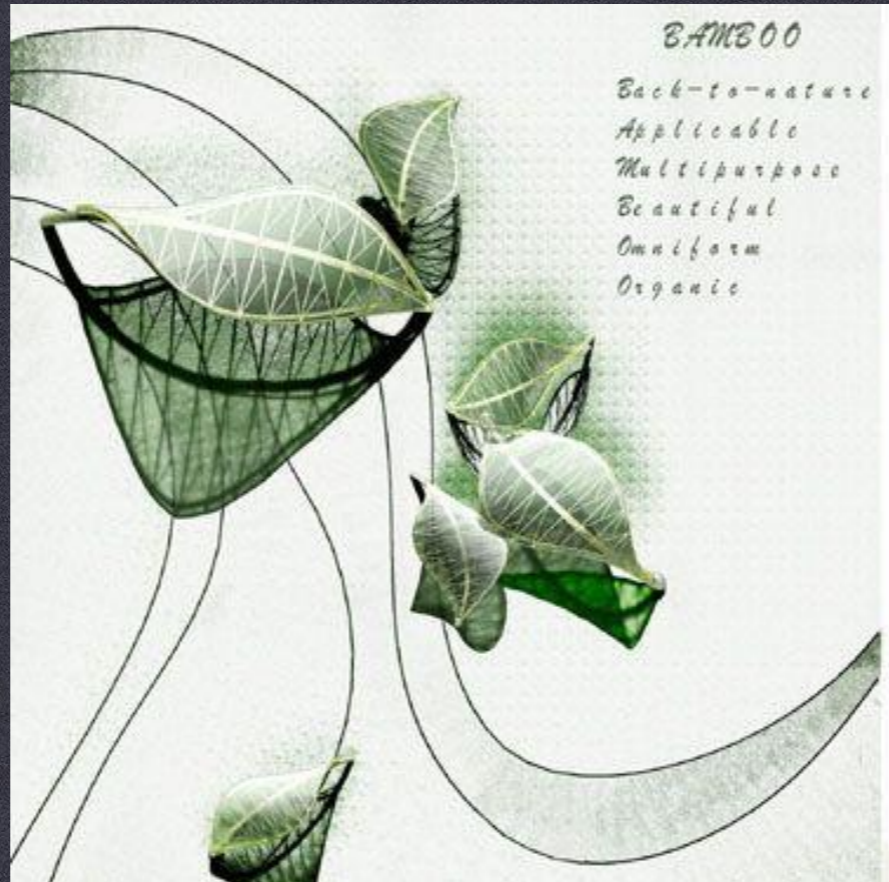












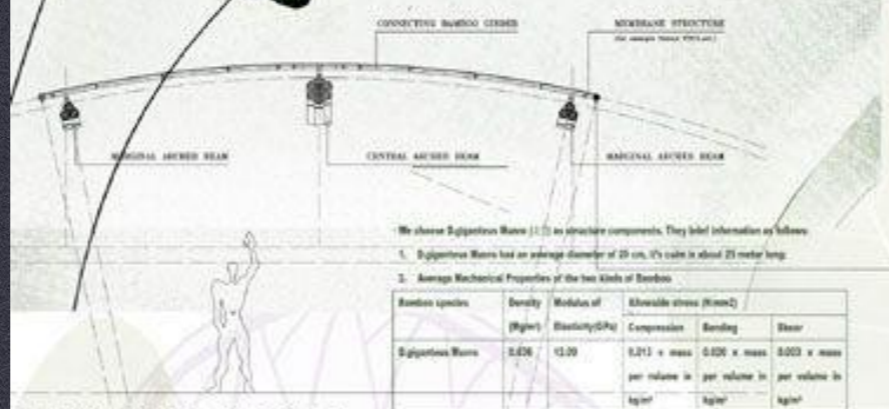
BAMBOO

*Back-to-nature
Applicable
Multipurpose
Beautiful
Omniform
Organic*

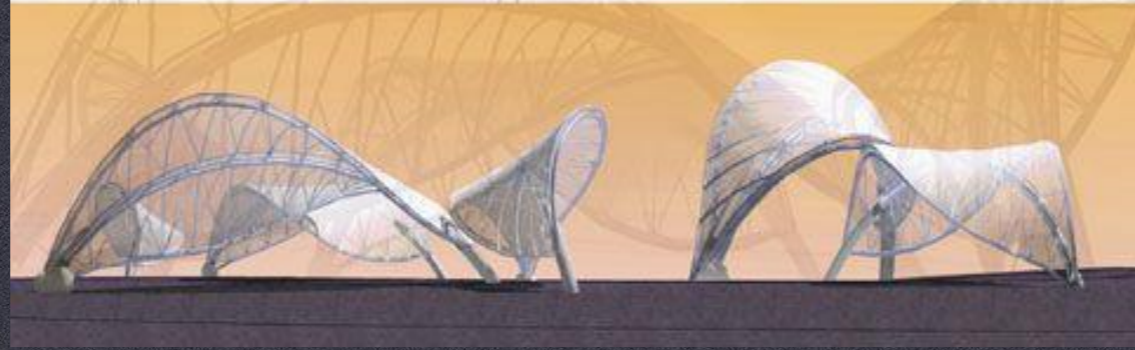
DANCE OF THE FOLIAGE
THE NEW ART REPRESENTATION OF BAMBOO MEMBRANE STRUCTURE



Designer: Institute of Architecture
Architect: [Name]
Design Group: [Name]



BAMBOO GIRDER STRUCTURE



شکرا.....