

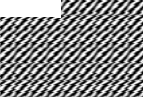
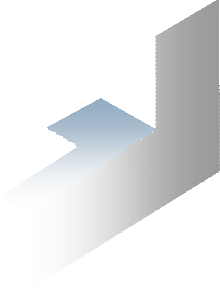
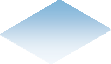
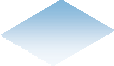
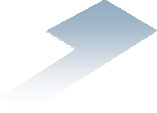
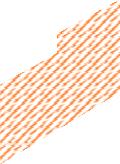
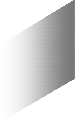
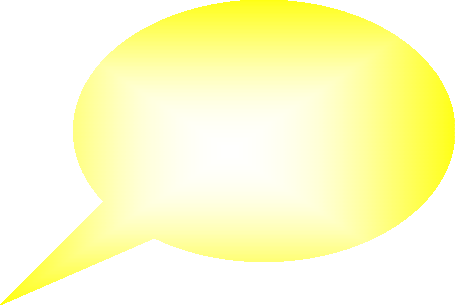
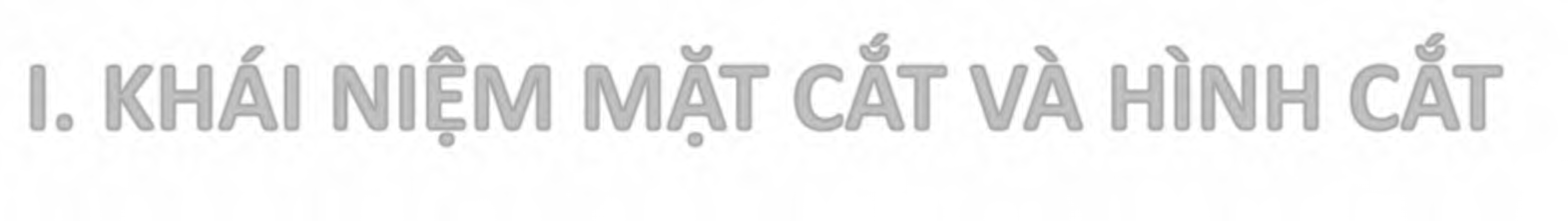
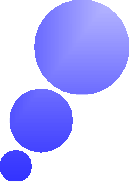
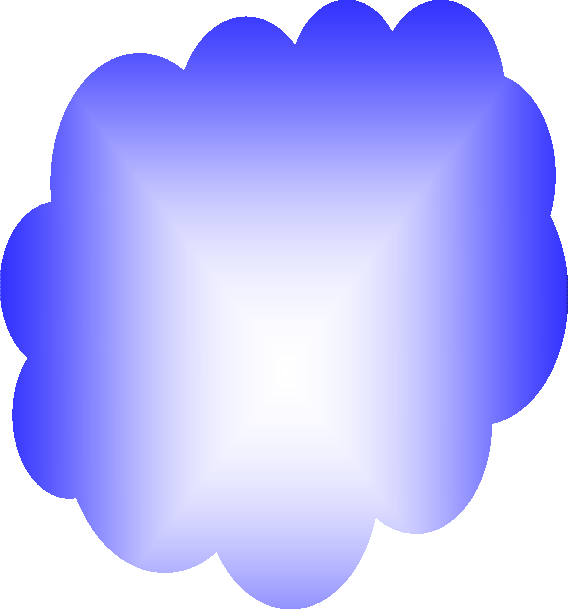
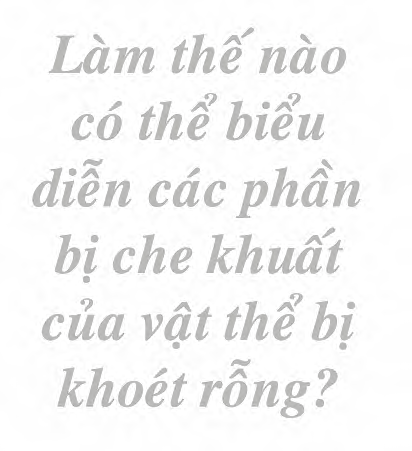
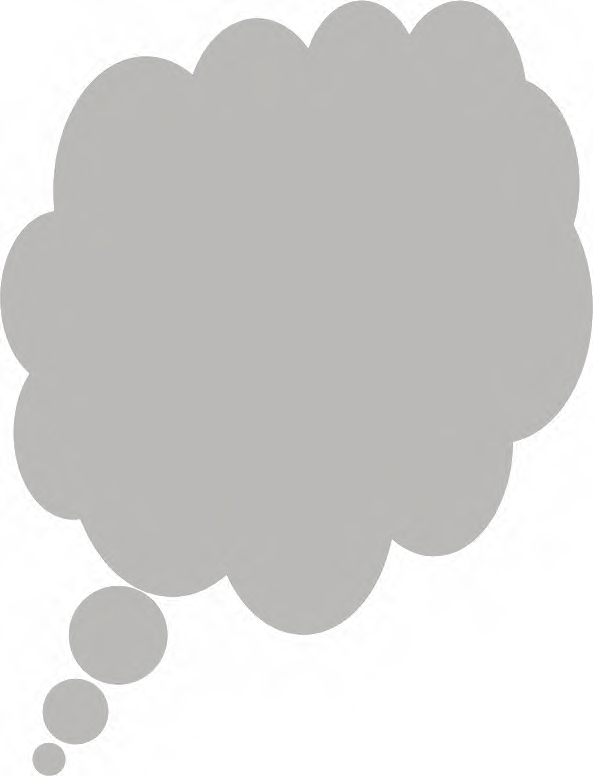
1. **KHÁI NIỆM MẶT CẮT VÀ HÌNH CẮT**

**Neáu chæ**

**duøng neùt**

**ñöùt ?**

***Laøm theá naøo coù theå bieåu dieãn caùc phaàn bò che khuaát cuûa vaät theå bò khoeùt roãng?***

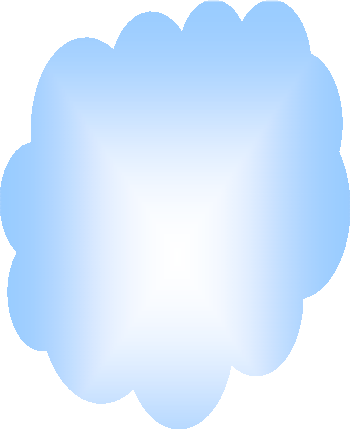
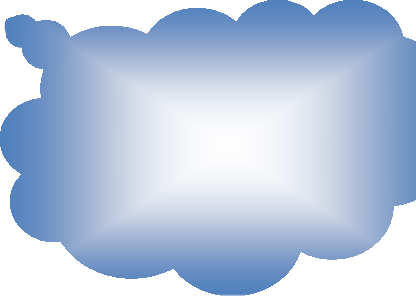
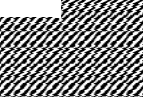
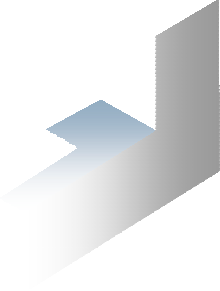
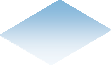
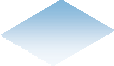
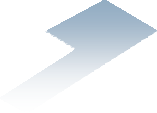
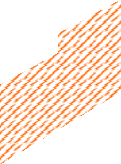
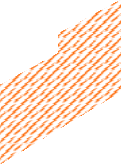
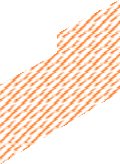
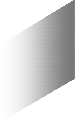
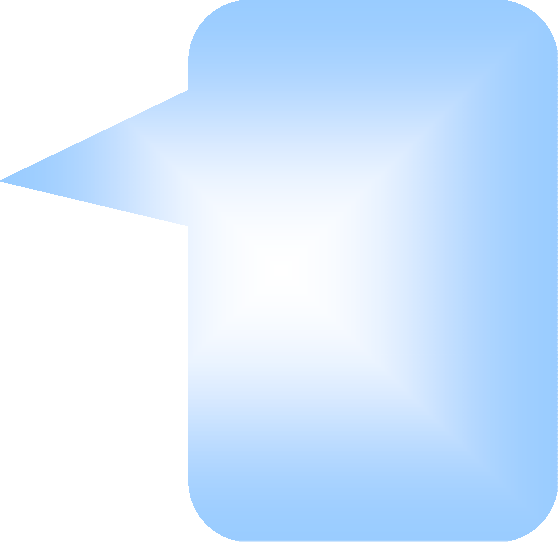


Neáu chæ duøng caùc neùt ñöùt thì

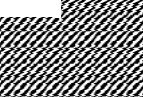
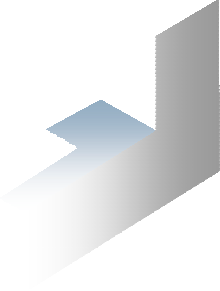
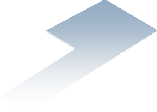
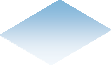
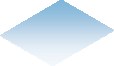
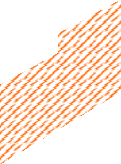
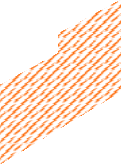
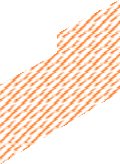
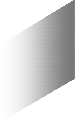
baûn veõ seõ khoâng ñöôïc roõ raøng

***Thay neùt ñöùt baèng neùt lieàn ñaäm***

***Neáu ta töôûng töôïng duøng 1 Mp caét caét boû ñi phaàn vaät theå giöõa ngöôøi quan saùt vaø mp caét?***

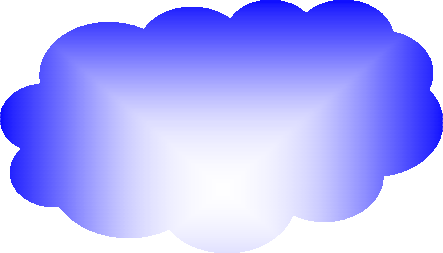
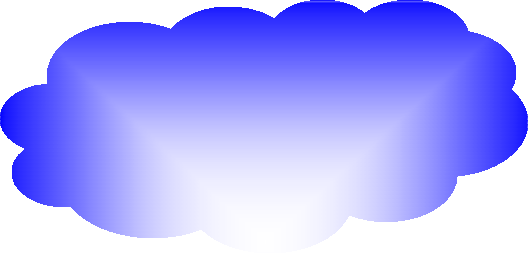
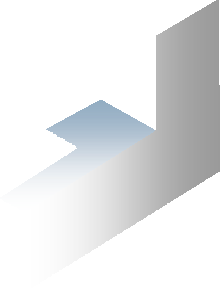
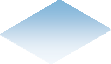
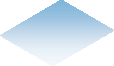
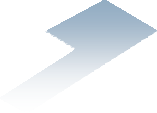
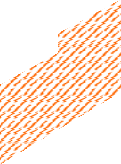
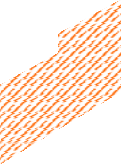
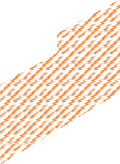
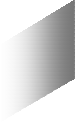


**Nhìn thaáy caáu truùc beân trong**



***Mặt cắt* : *Là hình biểu diễn các đường bao của vật thể nằm trên mặt phẳng cắt***

***Hình cắt* : *Là hình biểu diễn các đường bao của vật thể sau mặt phẳng cắt và mặt cắt***



**Vaäy maët**

**caét laø gì ?**

**Hình caét laø gì ?**

***Hình caét***



***Maët caét***

### Mặt cắt

1. Mặt cắt chập



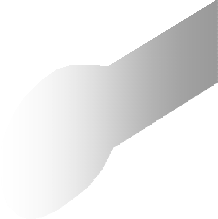
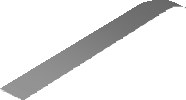
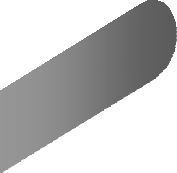
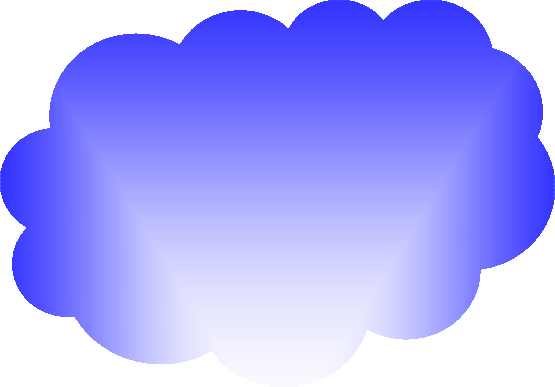
**Khái niệm** :

Laø maët caét ñöôïc veõ ngay treân hình chieáu cuûa vaät theå baèng neùt lieàn maûnh

* **ÖÙng duïng: Duøng ñeå bieåu dieãn caùc vaät theå coù ñöôøng bao ñôn giaûn nhö caùc thanh daøi coù tieát dieän hình chöõ nhật, chữ L, chữ I, …**

Vaäy theá naøo laø maët caét chập

**Mặt cắt**



**Hình chiếu**

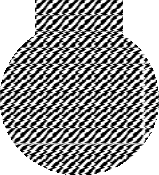
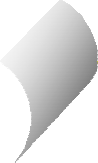
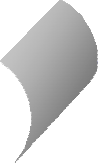
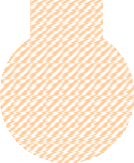
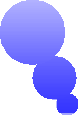
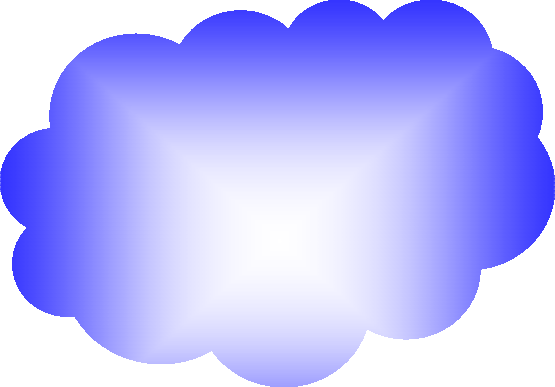
### Mặt cắt rời

**Khái niệm** :



Vaäy theá naøo laø maët caét

Vẽ bằng nét liền đậm, vẽ ở ngoàriôøi



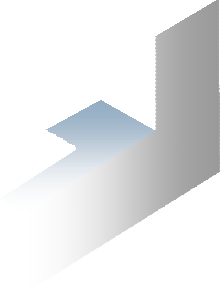
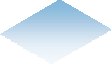
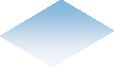
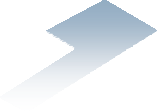
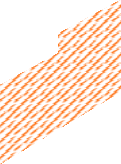
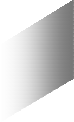
hình chiếu, đặt gần hình chiếu, liên hệ với hình chiếu bằng nét gạch chấm mảnh

**ÖÙng duïng: duøng ñeå bieåu dieãn caùc vaät theå coù ñöôøng bao phöùc taïp**

**Mặt cắt**

**Hình chiếu**

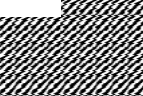
### Hình cắt



1. ***Hình caét toaøn boä (toaøn phaàn)***

◼ Laø hình caét nhaèm bieåu dieãn toaøn boä caáu truùc beân trong của vật thể

**A - A**



**A**

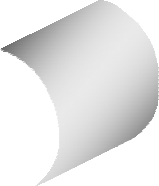
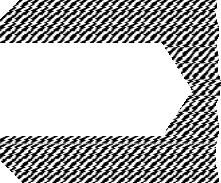
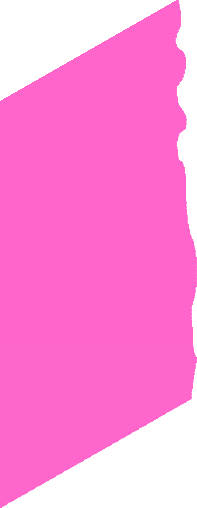
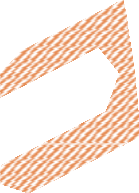
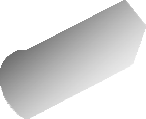
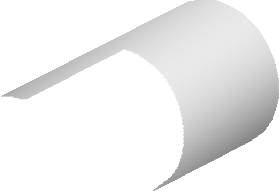
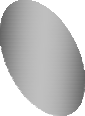
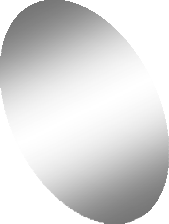
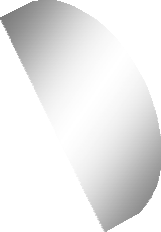
**A**

**Moät phaàn**

**mp’**

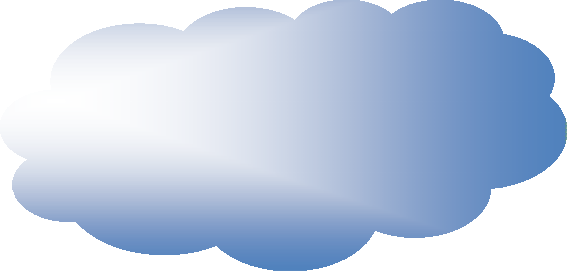
## Hình cắt cục bộ (riêng phần)

* + ***Khaùi nieäm***



◼ Biểu diễn một phần vật thể dưới dạng hình cắt

**Caét boû moät**



**Vaäy theá naøo goïi laø hình caét rieâng phaàn ?**

**phaàn vt**

***Veõ neùt löôïn soùng***

***giôùi haïn maët caét***

**Duøng**

**nöûa mp’**

## Hình cắt một nửa (kết hợp)

* + **Khaùi nieäm**

**Xoaù boû caùc**

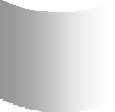
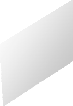
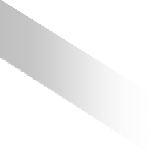
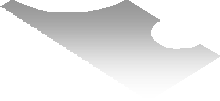
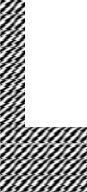
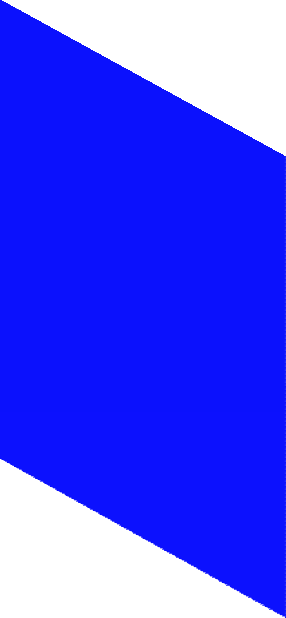
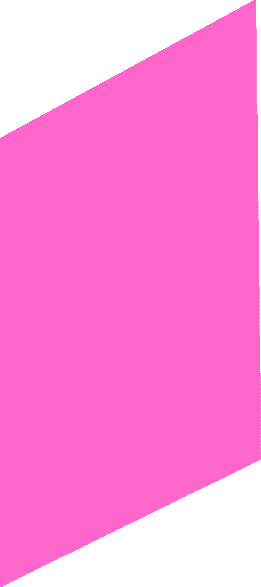
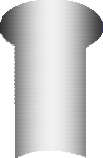
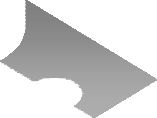
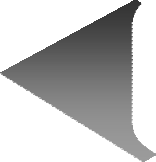
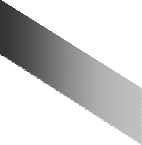
**neùt ñöùt**

**A - A**

**Caét boû ñi moät nöûa phaàn**

Gồm một nửa hình cắt ghép với một nửa hình chiếu, phân cách bằng trục đối xứng vẽ bằng nét gạch chấm mảnh

**Ñöôøng phaân caùch baèng neùt chaám gaïch**



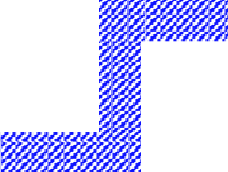
**A A**

**A**

**A - A**

1. **Quy öôùc bieåu dieãn**

* **Ñaùnh daáu veát caét**
* **Veõ muõi teân chæ höôùng nhìn (höôùng chieáu)**

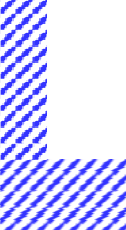


**A**

**A - A**

* **Ghi teân maët phaúng caét (Chuù yù: trong moät baûn veõ coù nhieàu hình caét thì khoâng ñöôïc ñaët truøng teân)**

Vôùi hình caét keát hôïp coøn theâm:

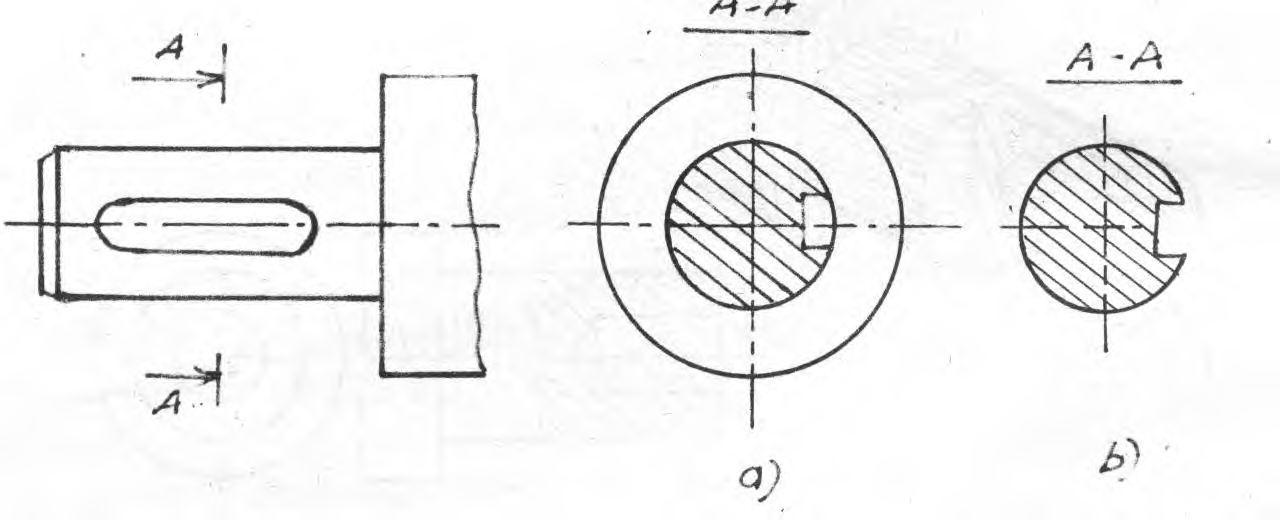


* + ***Veõ ñöôøng phaân caùch giöõa nöûa hình caét vaø nöûa hình chieáu baèng neùt chaám gaïch***
  + ***Boû caùc neùt ñöùt beân nöûa hình chieáu***

**A A**

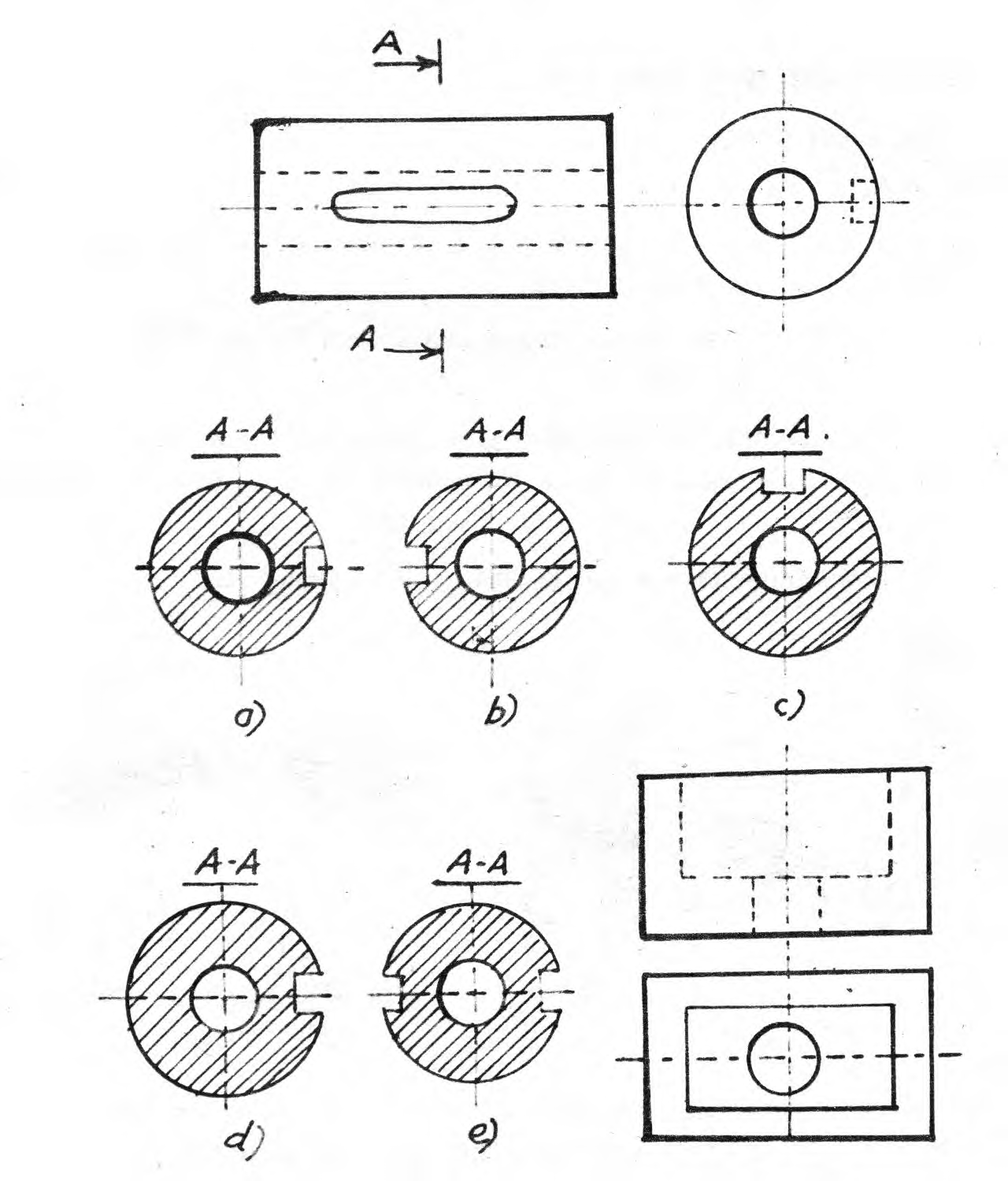
**Baøi taäp 1**

**LuyÖn tËp**



***A - A***

* ***Hình naøo laø MAËT CAÉT ? Taïi sao ?***
* ***Hình naøo laø HÌNH CAÉT ? Taïi sao ?***



**Bµi tËp 2**

* + MÆt c¾t nµo vÏ

®óng? T¹i sao?

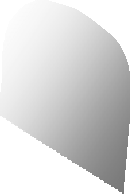
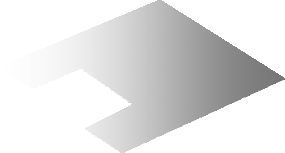
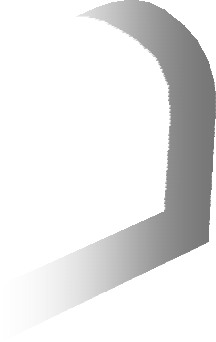
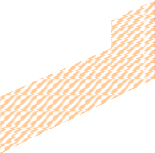
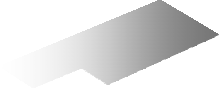
* + H×nh nµo lµ h×nh

a)

c¾t ®óng?

d)

# Bµi tËp vÒ nhµ

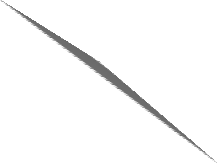
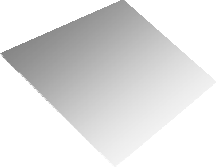
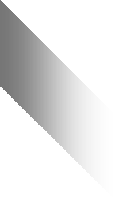
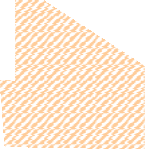
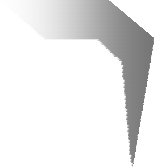
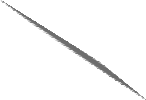
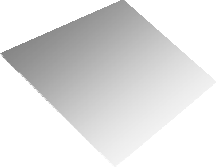
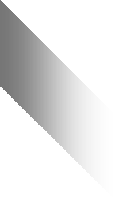


***Hướng dẫn Bài tập - Trang 24 SGK***

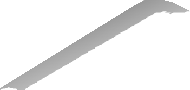
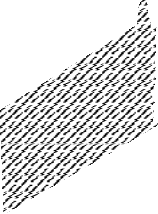
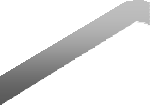
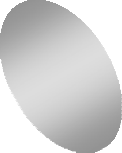
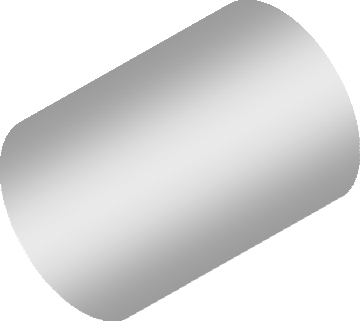
***Bài tập 01 : Vẽ hình cắt toàn bộ***

***Với vật thể có nhiều phần khuất bên trong***

***Bài tập 02 : Vẽ hình cắt một nửa Với vật thể đối xứng***



***B ài tập 03 : Vẽ hình cắt cục bộ***



NHIỆM VỤ HỌC TẬP

**TRẢ LỜI CÁC CÂU HỎI SAU :**

### Câu 1 : Trình bày khái niệm về mặt cắt và hình cắt ?

### Câu 2 : Trình bày phân loại và công dụng của mặt cắt và hình cắt ?

**\* Daën doø:**

* Về nhà ôn bài đã học, thực hành vẽ các bài tập.

#### Xem trước nội dung bài mới : Bài 5 : Hình Chiếu Trục Đo.