

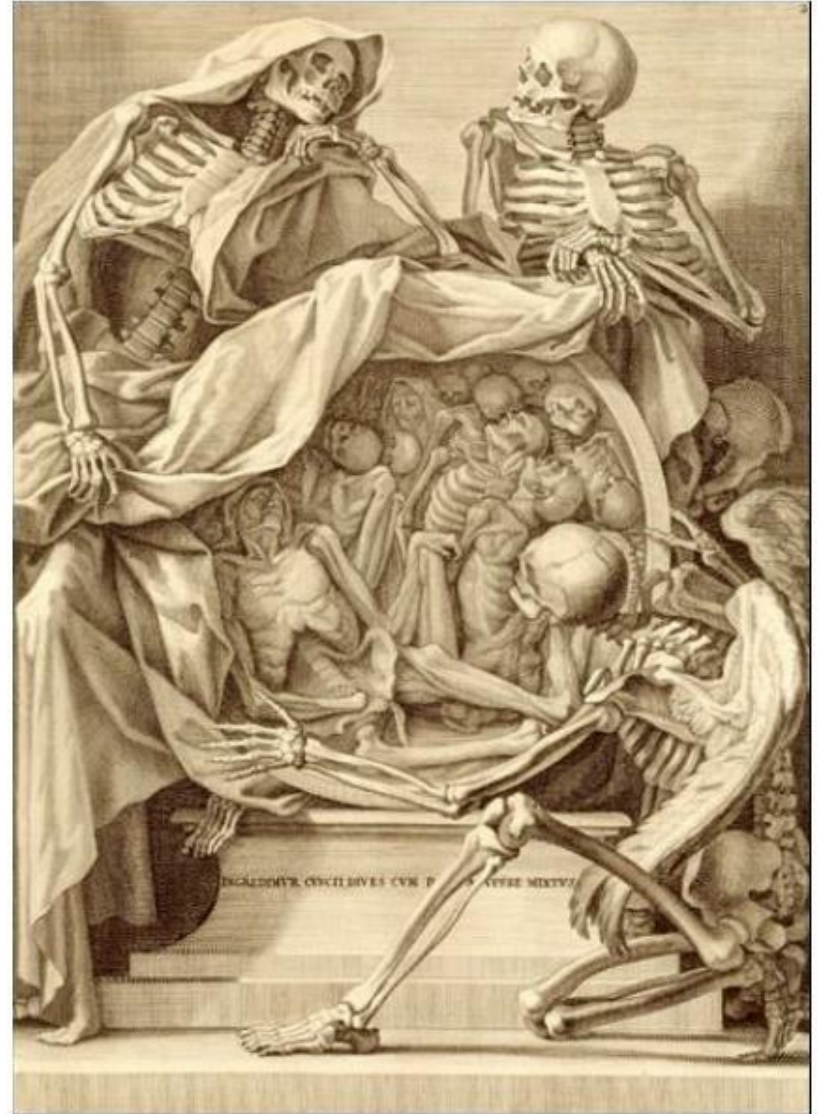
BA Animation & VFX
BA Computer Games Design

Visual Studies

Anatomy Overview

Introduction

- What is anatomy?
The structure of the human body.
- It consists of muscles, skeleton, and proportions.



Introduction

- Why is it important?
 - To grasp the foundations of not only the human body, but also the proportions.
 - Learning the flow with the shape.
 - Studying movement in relation to the form of the body.

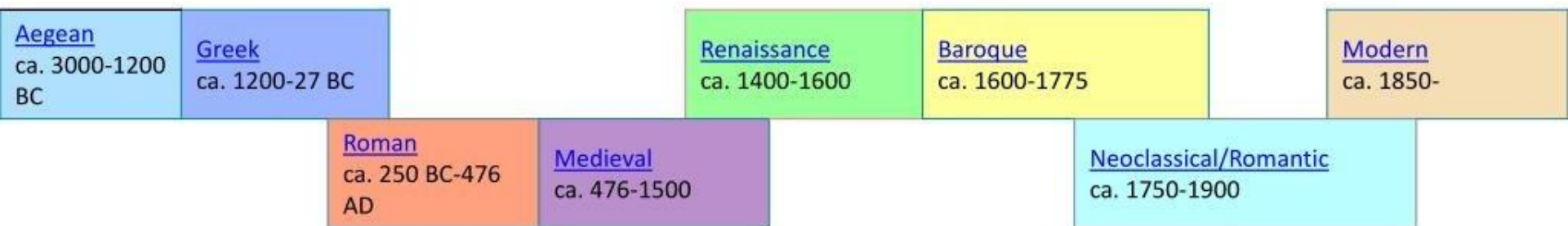


Naturalism in Art History

There are MANY MANY different art movements through history - far too many to go into today alone.. So we will be going over a very abridged version..



Basic Timeline



The dates are debatable, but more importantly this is around the order they come into history.

Greek
ca. 1200-27 BC

Roman
ca. 250 BC-476 AD

Archaic to Greek/Hellenistic/Roman (Classical Antiquity)



Peplos kore
circa 530 BC, Athens



Winged Victory of Samothrace
2nd century BC, Greece



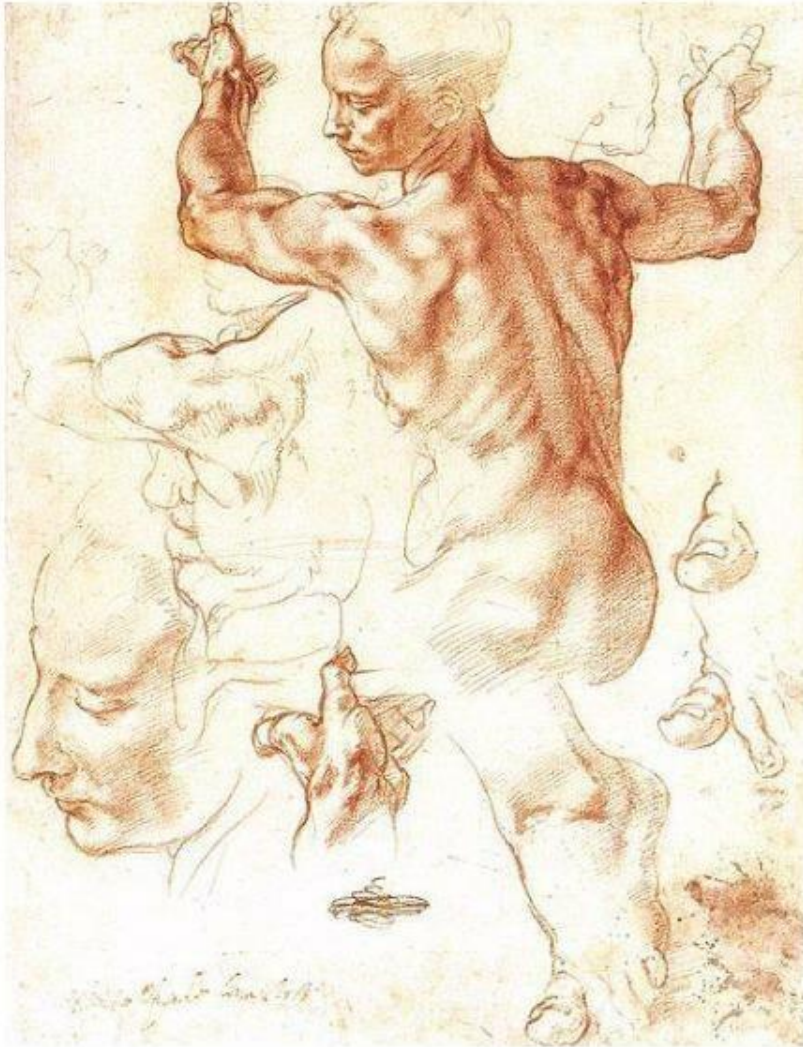
Praxiteles, Aphrodite of Knidos
Roman copy of an original of c. 350 B.C.

Skipping Late Antiquity (Medieval)



PLEASE HELP
WHY
DO
I
LOOK LIKE
THIS

Renaissance and Baroque

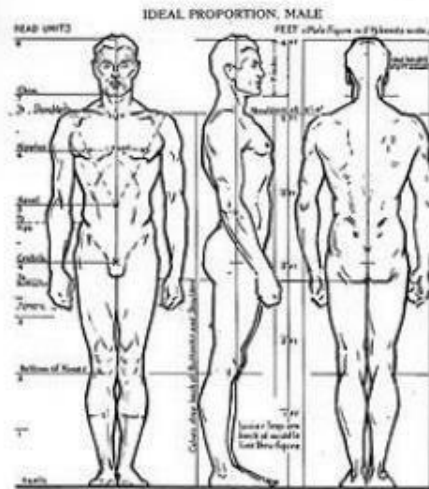
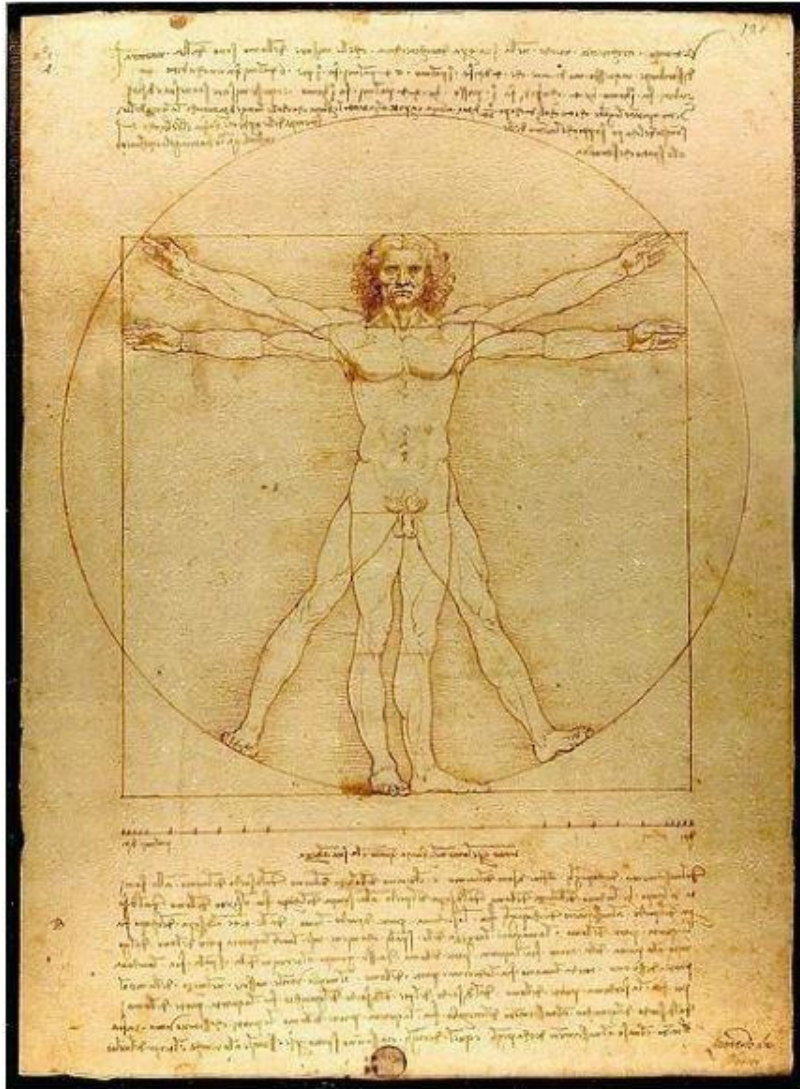


Michelangelo, Studies for *The Libyan Sybil*
1508-1512, Italy



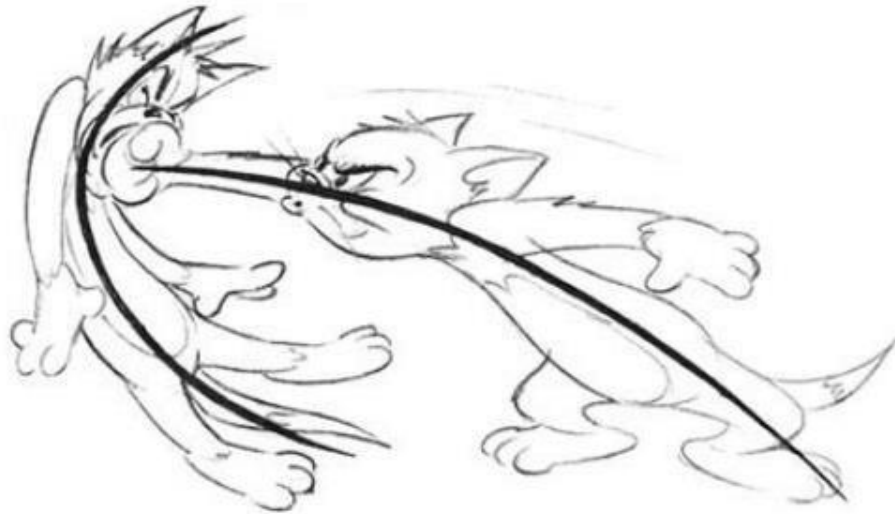
Bernini, David
1623-1624, Rome

Anatomy of Superheroes



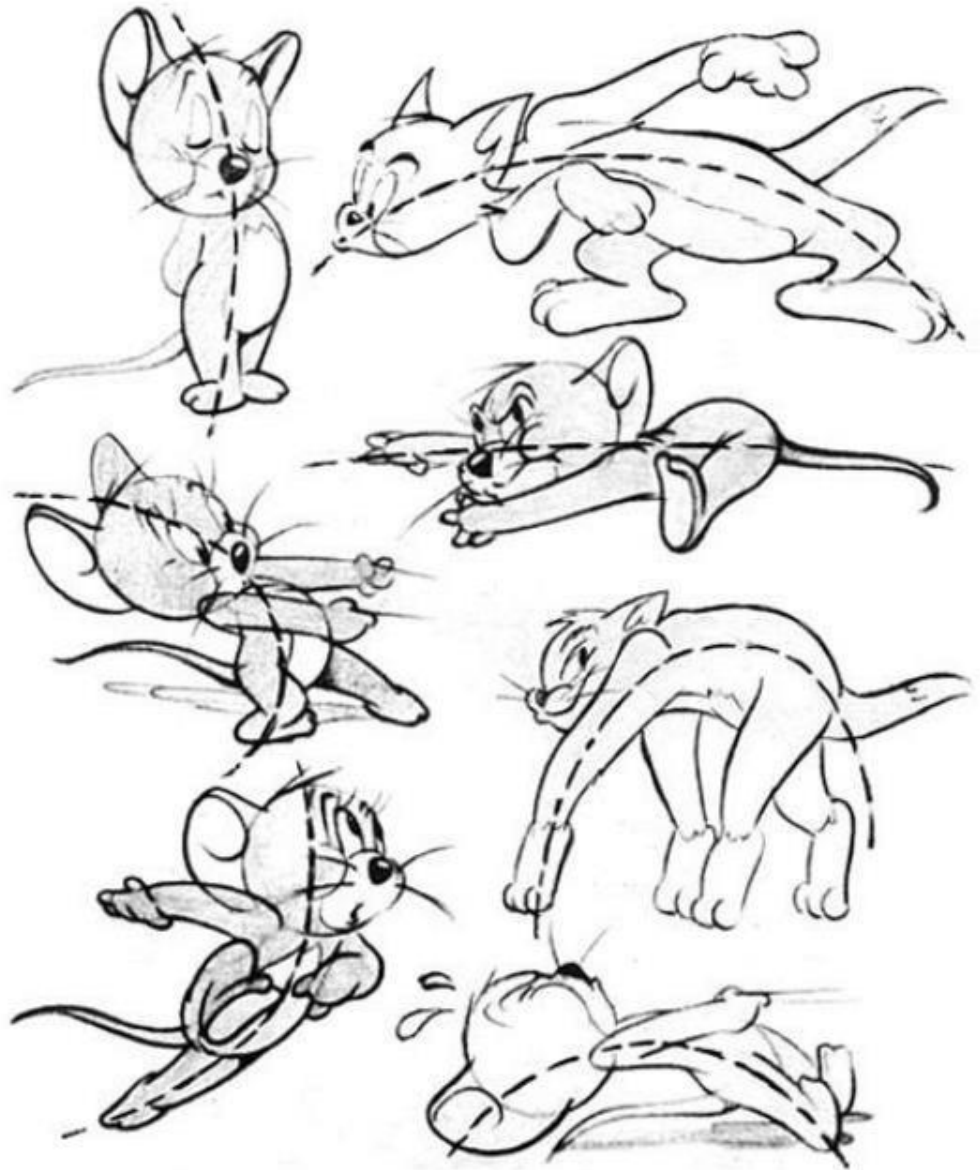
Line of Action

- Line of action – an imaginary line that extends through the action/gesture of the figure.



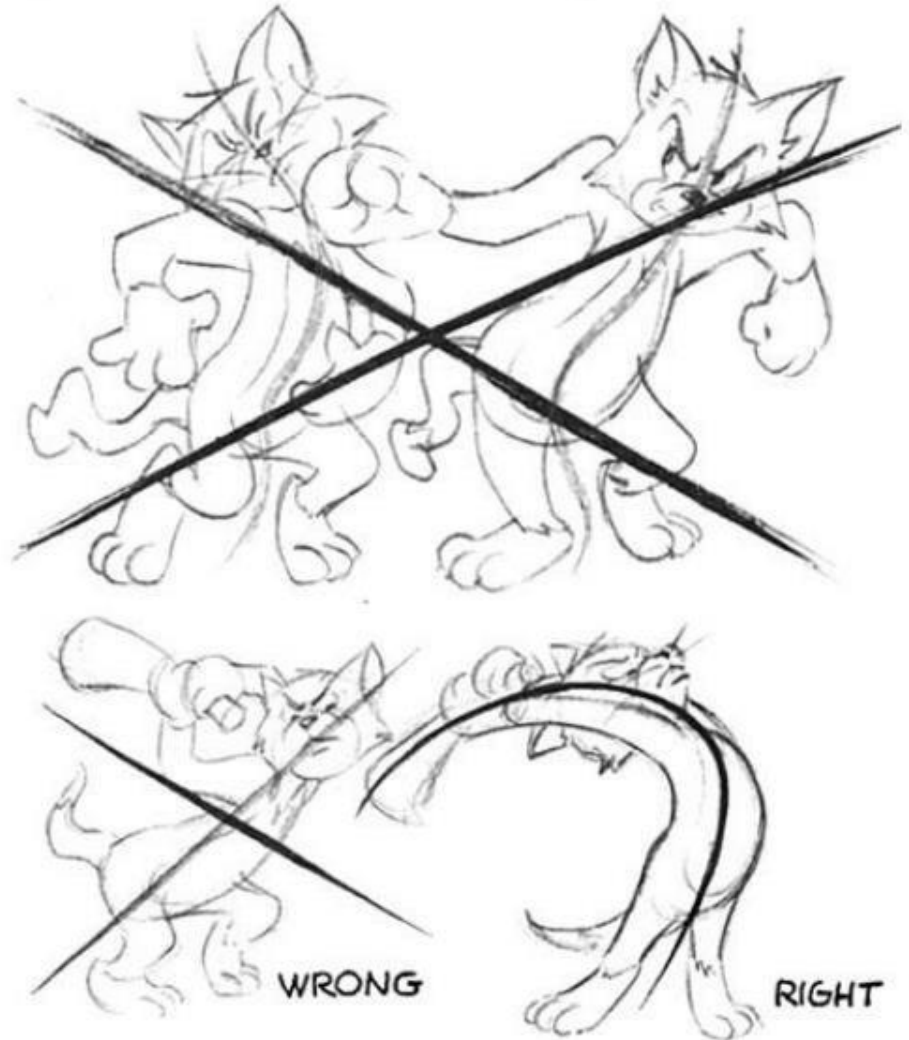
Line of Action

- Emphasizes direction and movement.
- Defines the silhouette of the character.

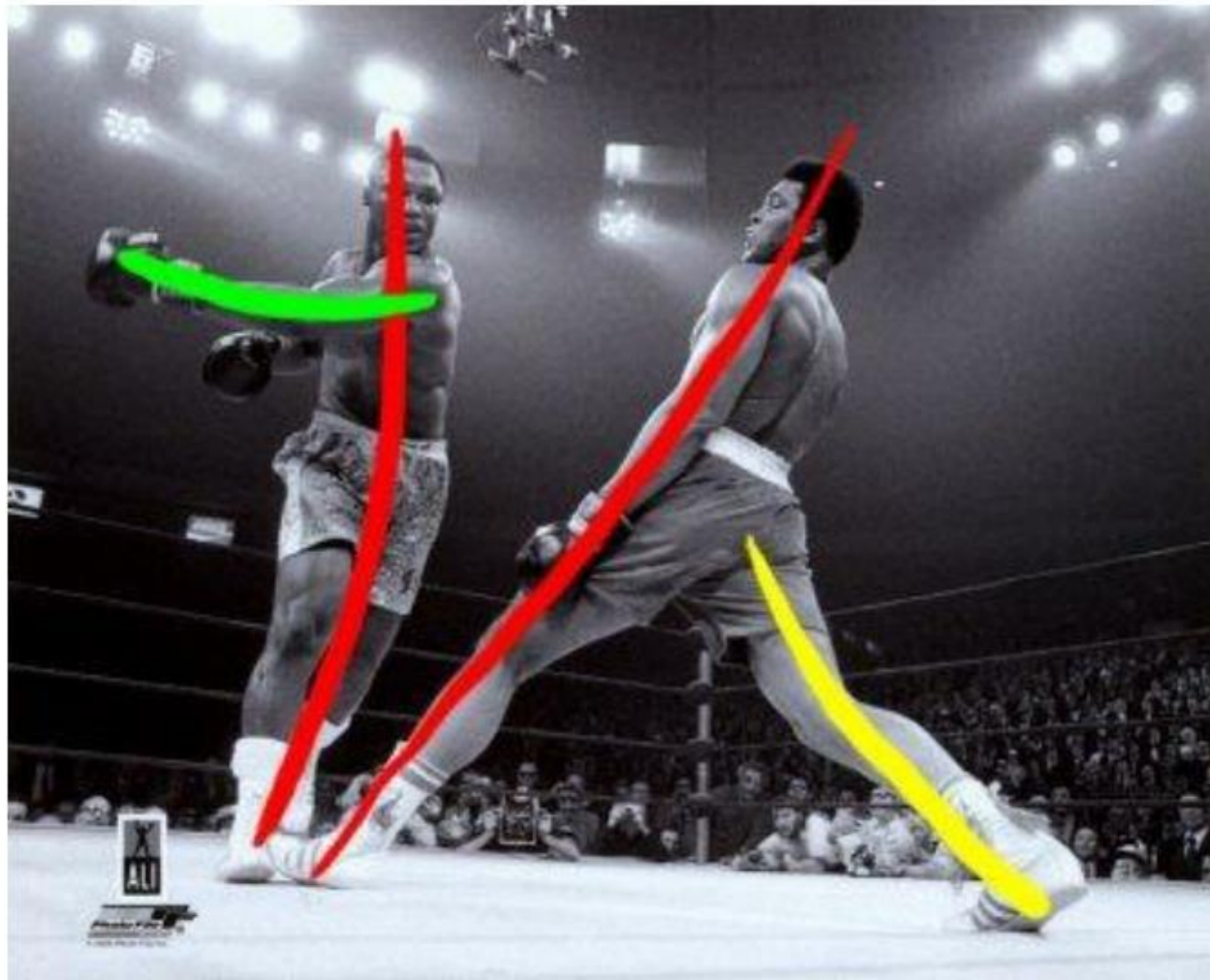


Line of Action

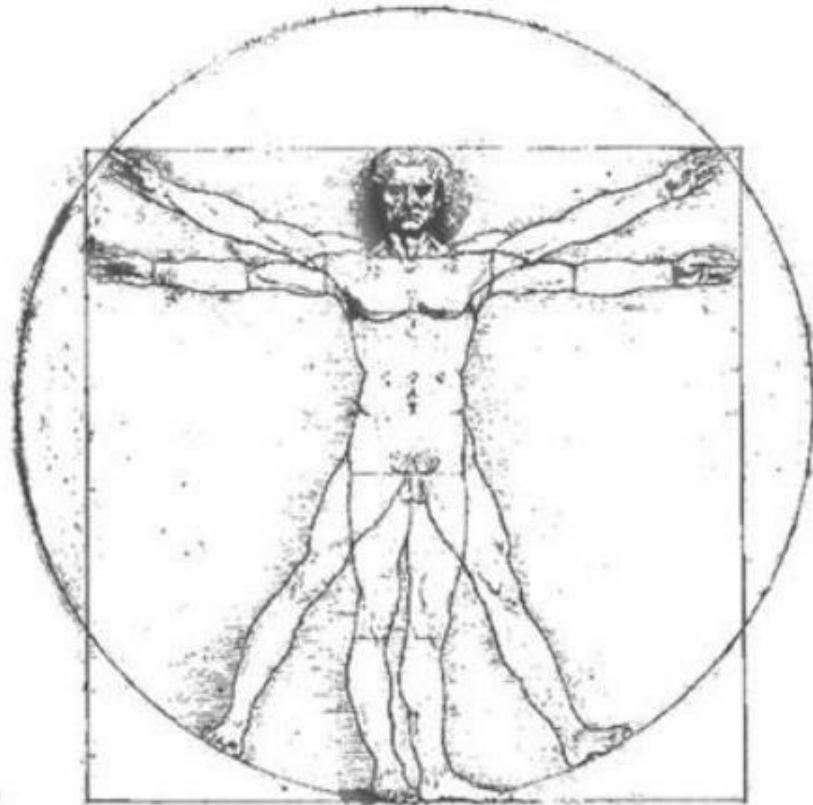
- What to avoid
 - Complex poses that make the line of action too complicated.
- What to do
 - Emphasize the line of action with a simple direction.



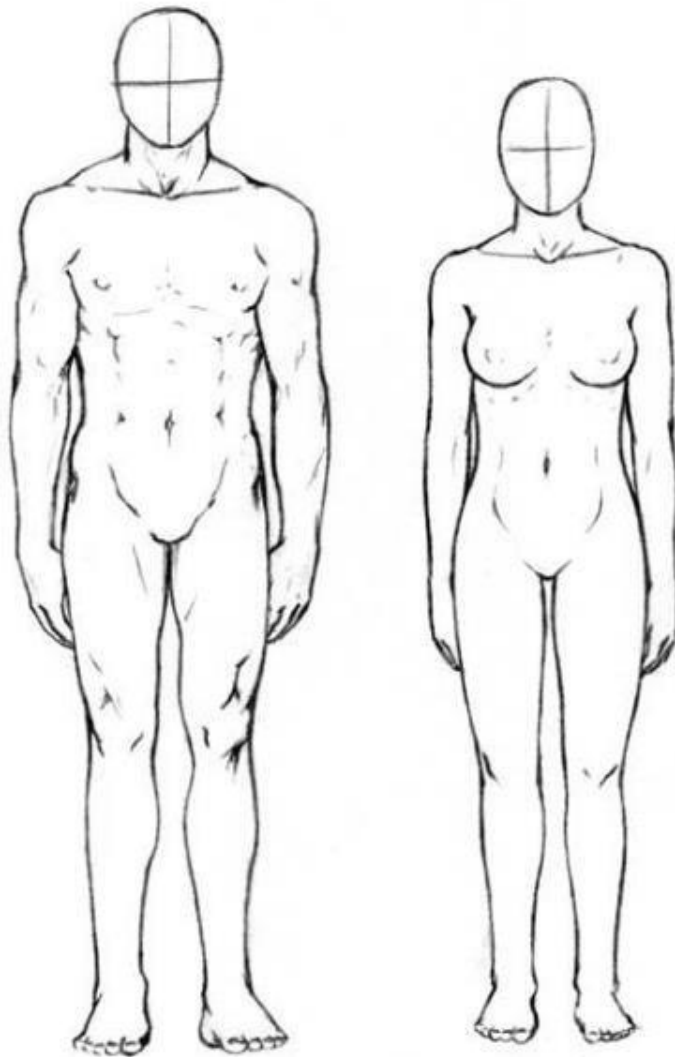
Line of Action in Real Context



Proportions



Body Proportions



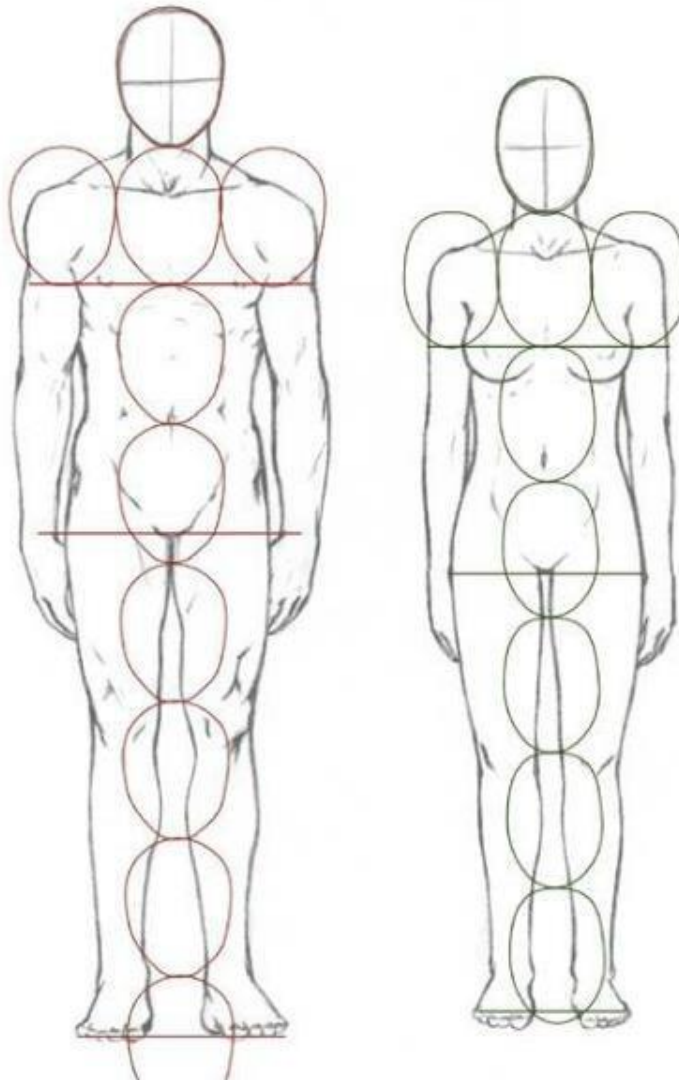
Body Proportions

Adult: 7.5 – 8 heads tall,
2.5 – 3 heads wide at
shoulder

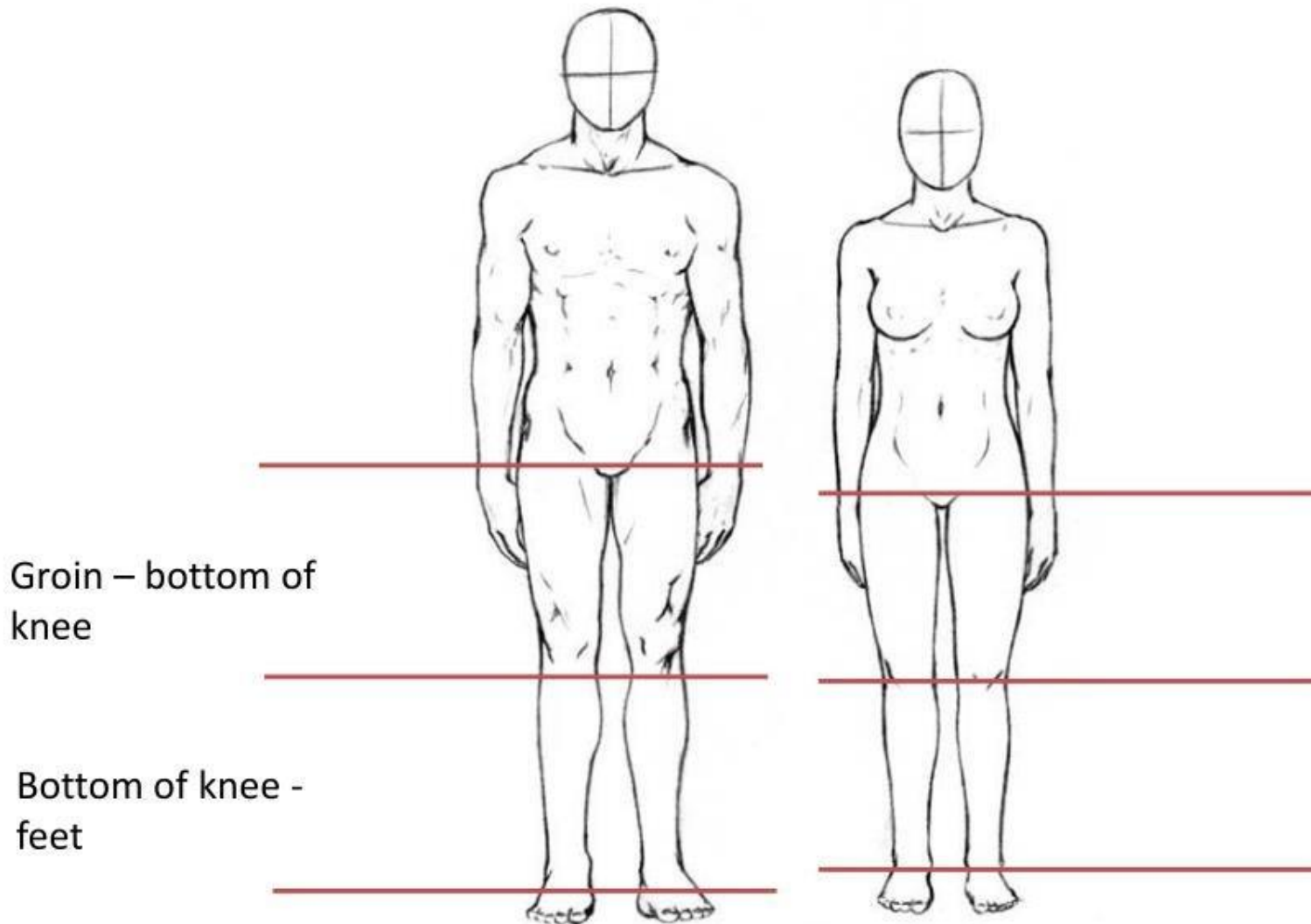
Nipples at second head

Groin marks half of the
height.

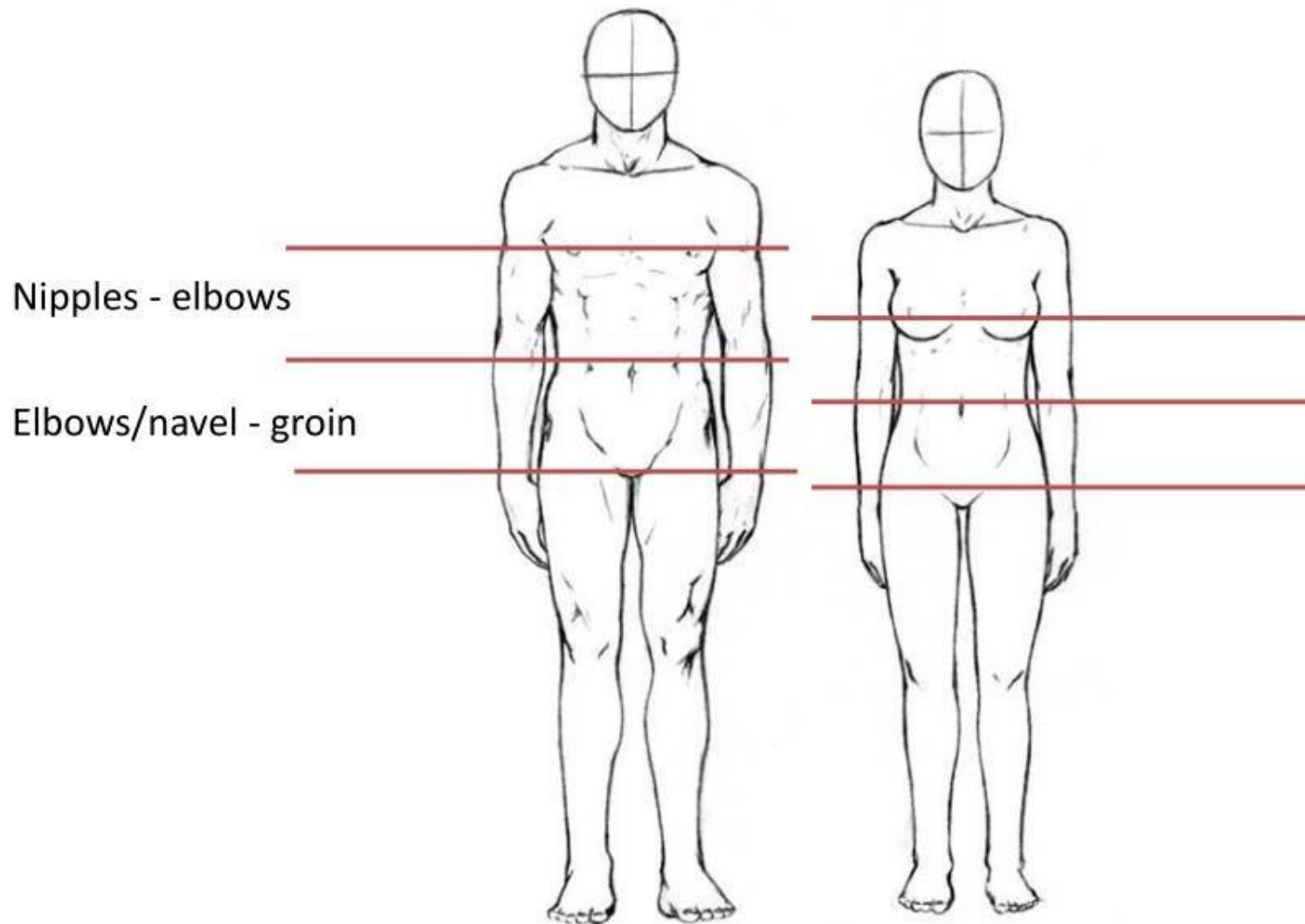
Wrists align to groin.



Body Proportions



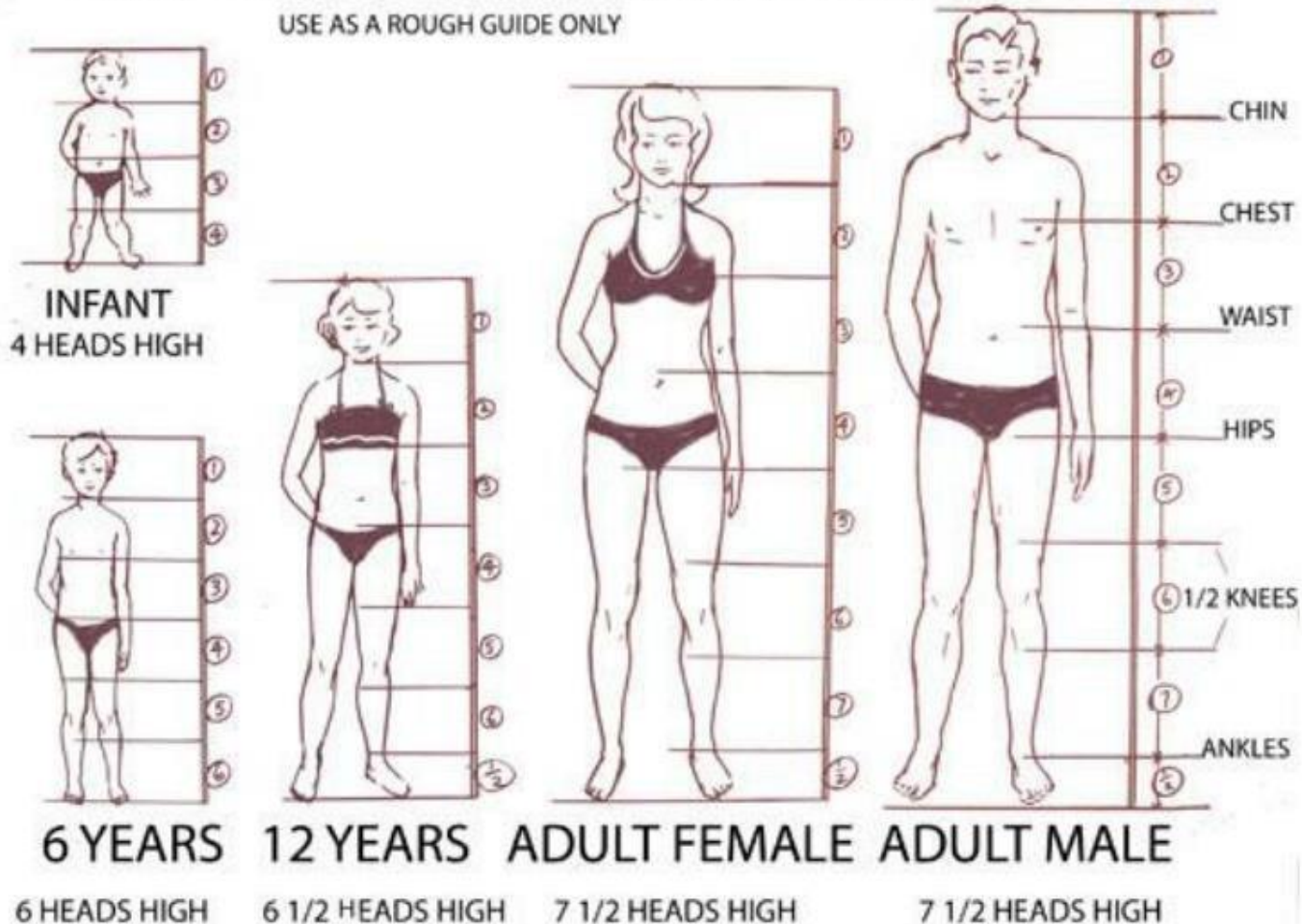
Body Proportions



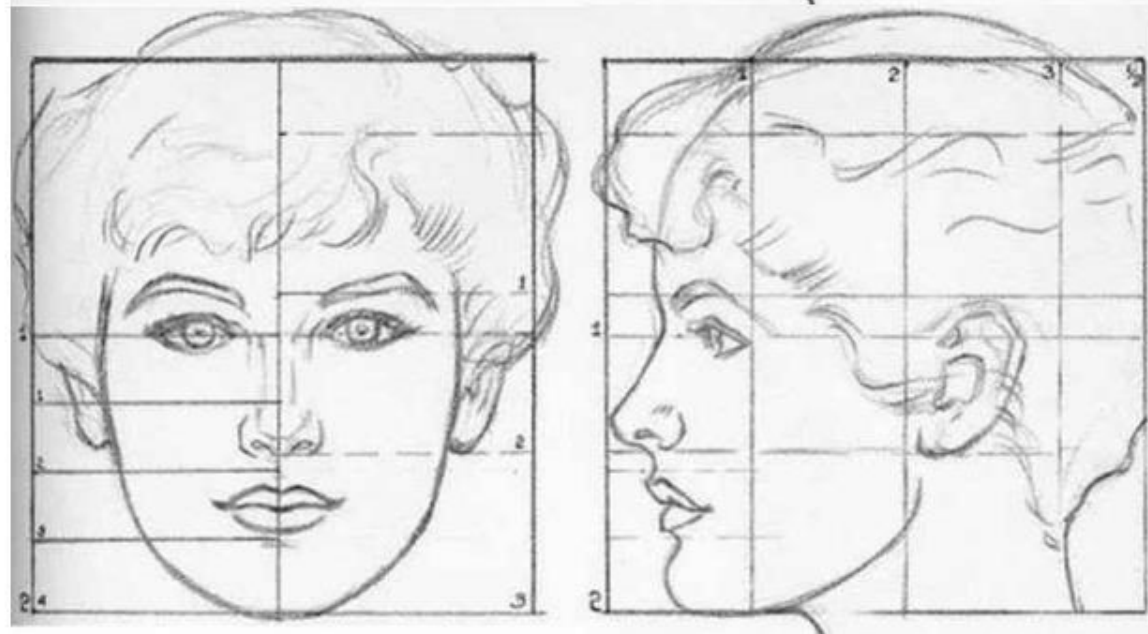
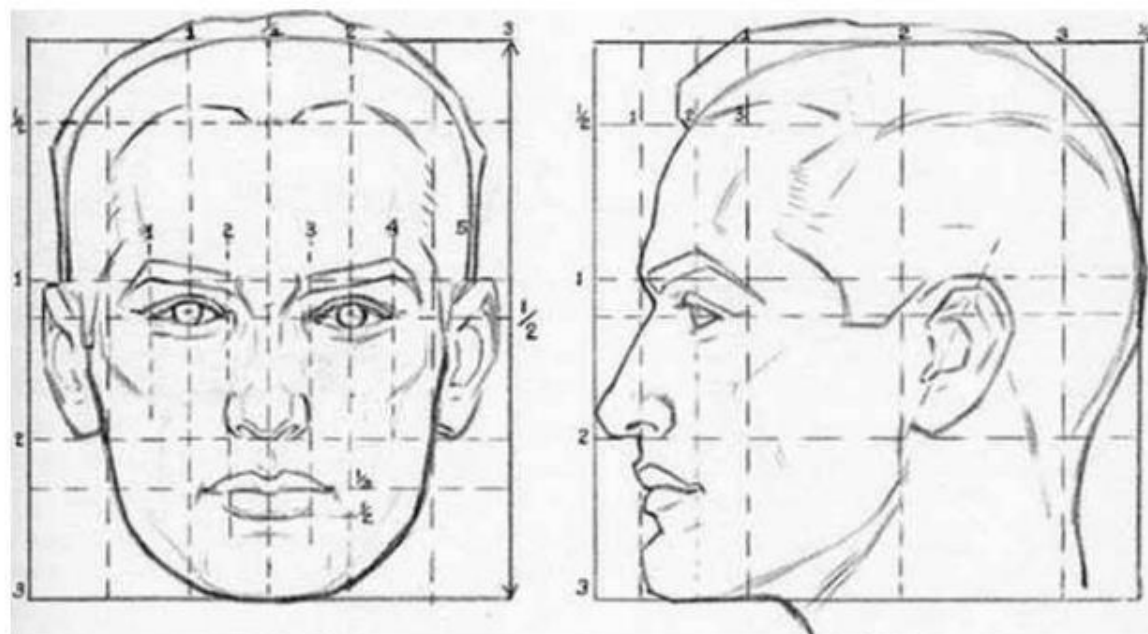
More Body Proportions

VERY GENERAL AVERAGE PROPORTIONS

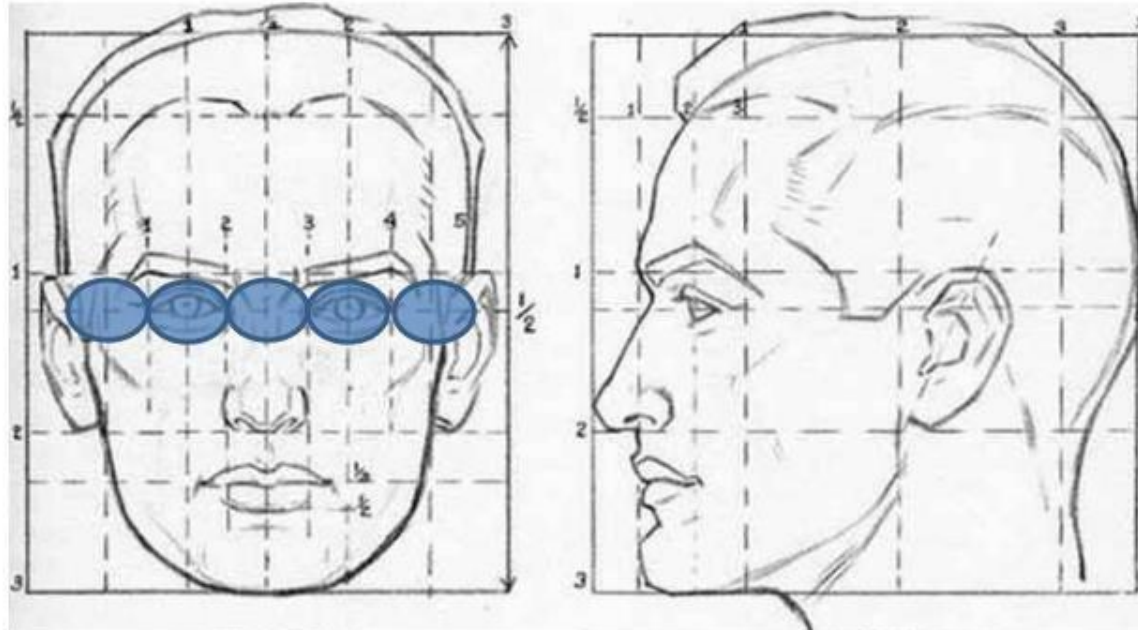
USE AS A ROUGH GUIDE ONLY



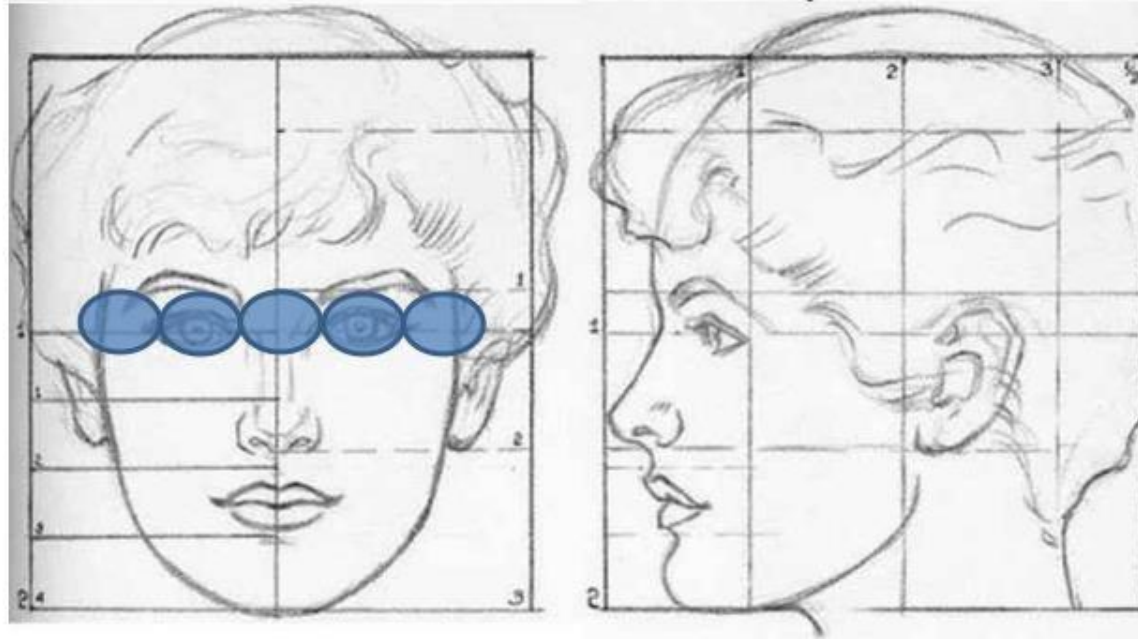
Head Proportions



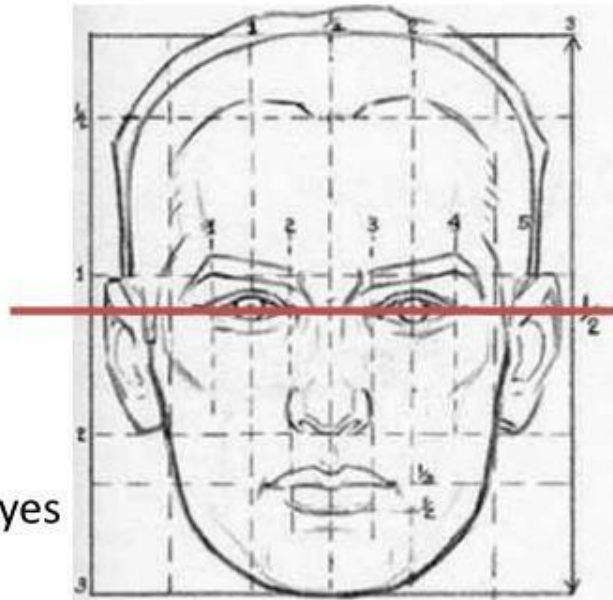
Head Proportions



5 eyes wide



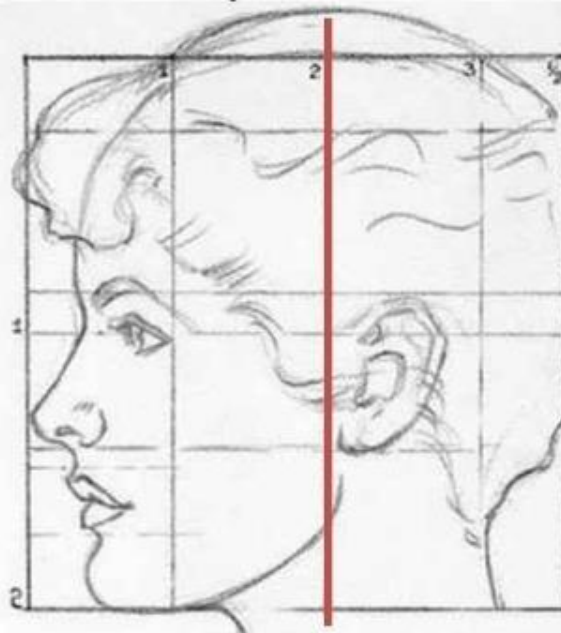
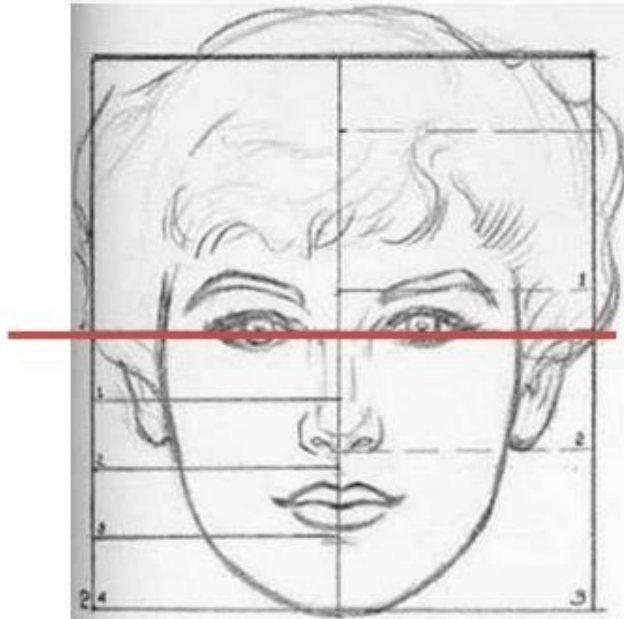
Head Proportions



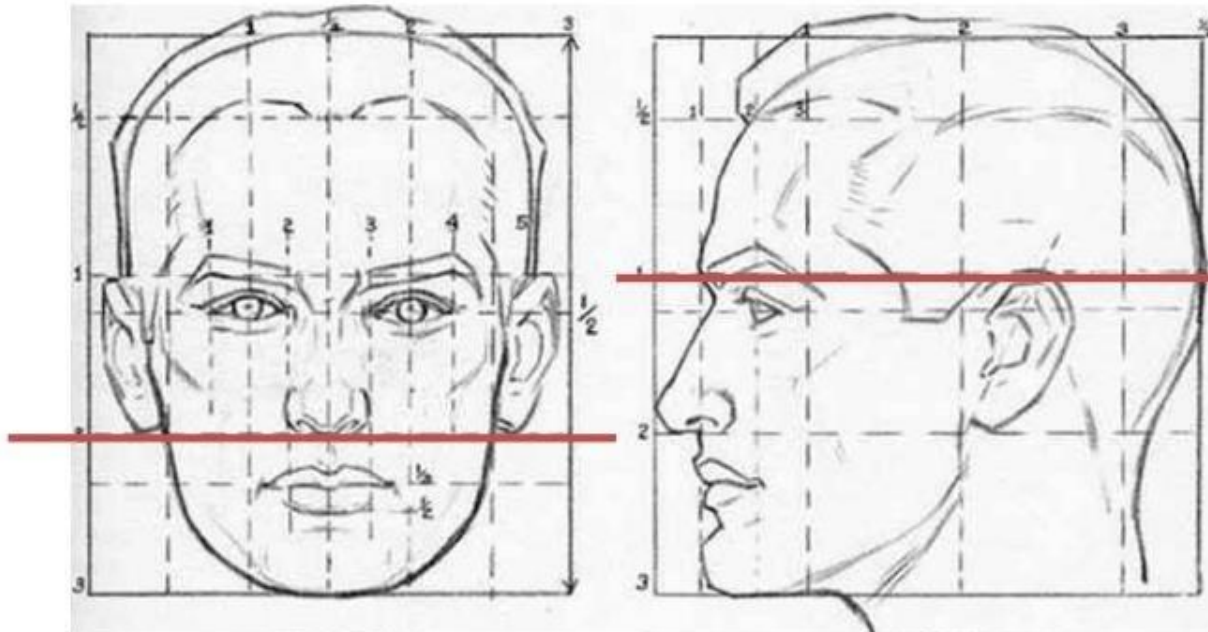
Halfway at eyes



Halfway at ear



Head Proportions



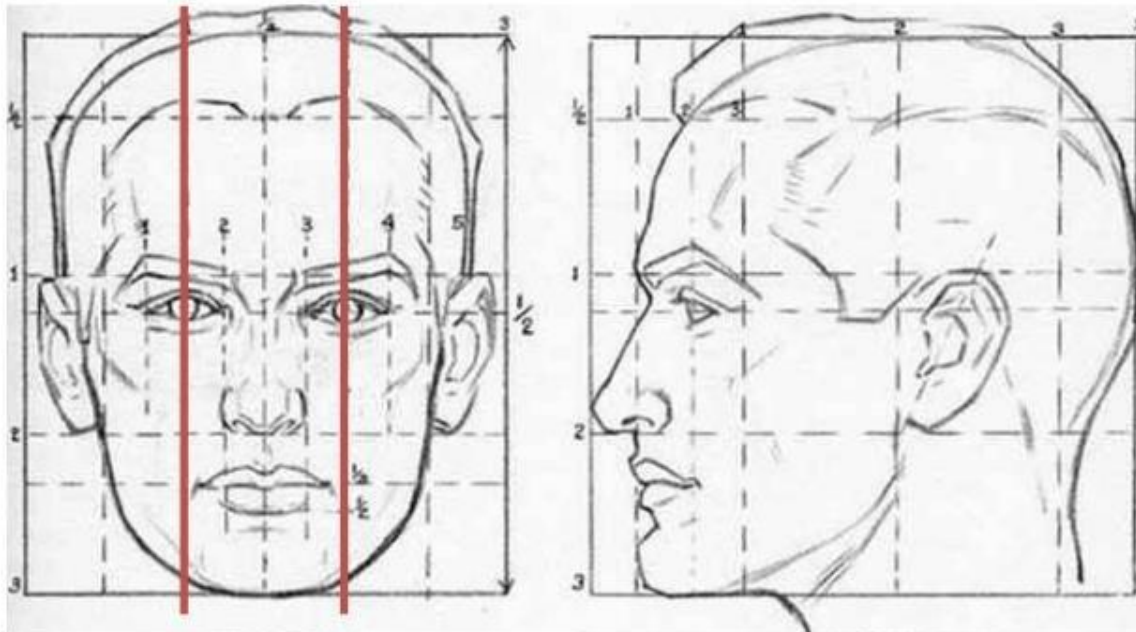
Tip of ear align
to eyebrow



Bottom of ear
align to bottom
of nose

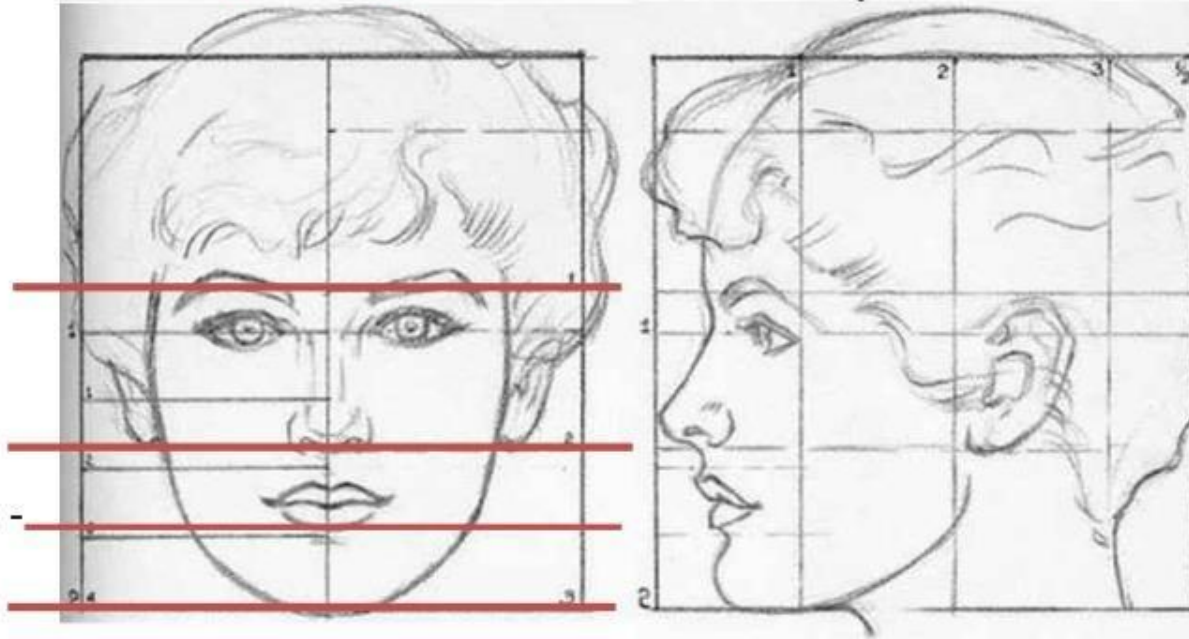
Head Proportions

Corners of lips align to center of eyes, spaced $\frac{1}{3}$ rd across



Eye brow –
bottom nose

Bottom nose –
chin



Halfway marks
upper chin