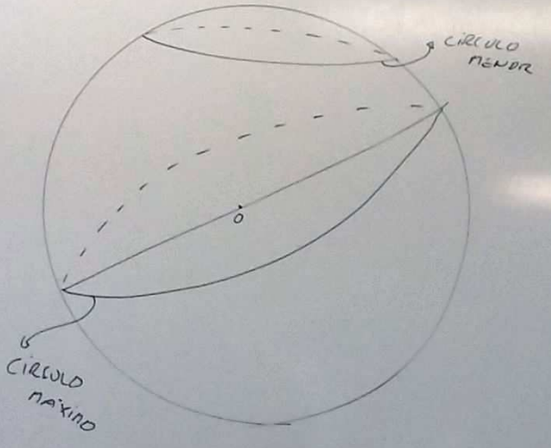
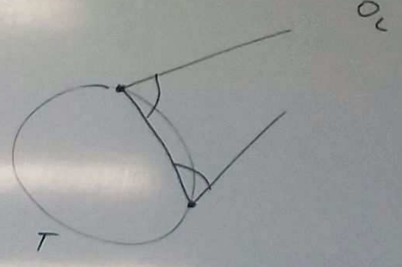
Astronomia Fundamental 2018 - clase 1

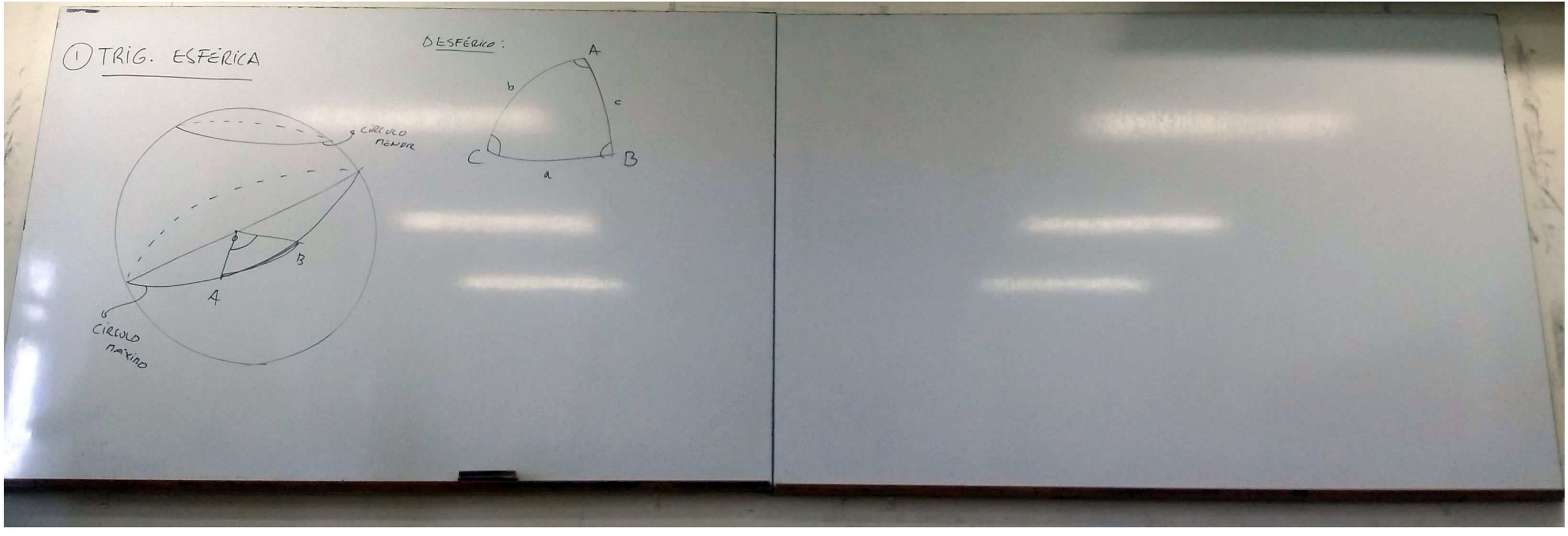
① TRIG. ESFÉRICA



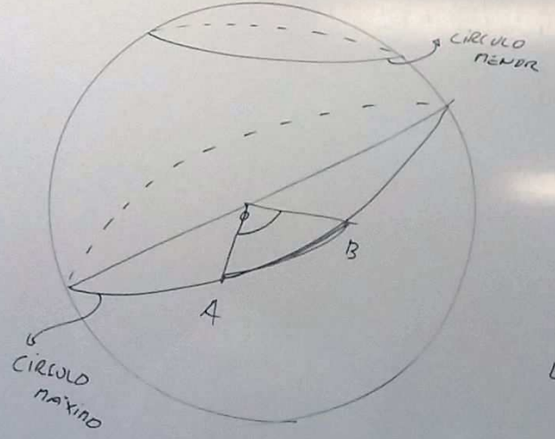


O_L

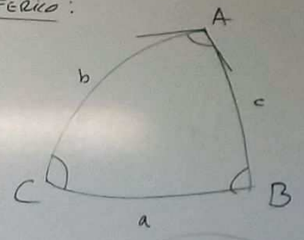
Astronomia Fundamental 2018 - clase 1

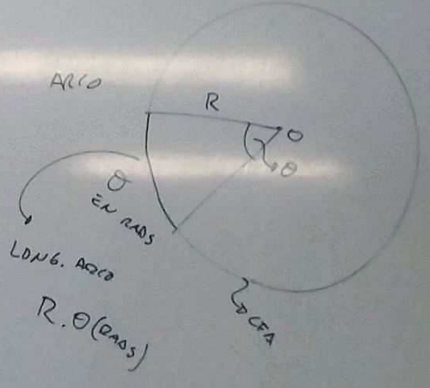


① TRIG. ESFÉRICA



DESFÉRICO:

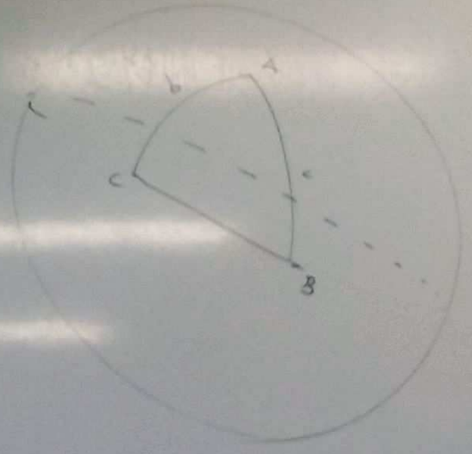




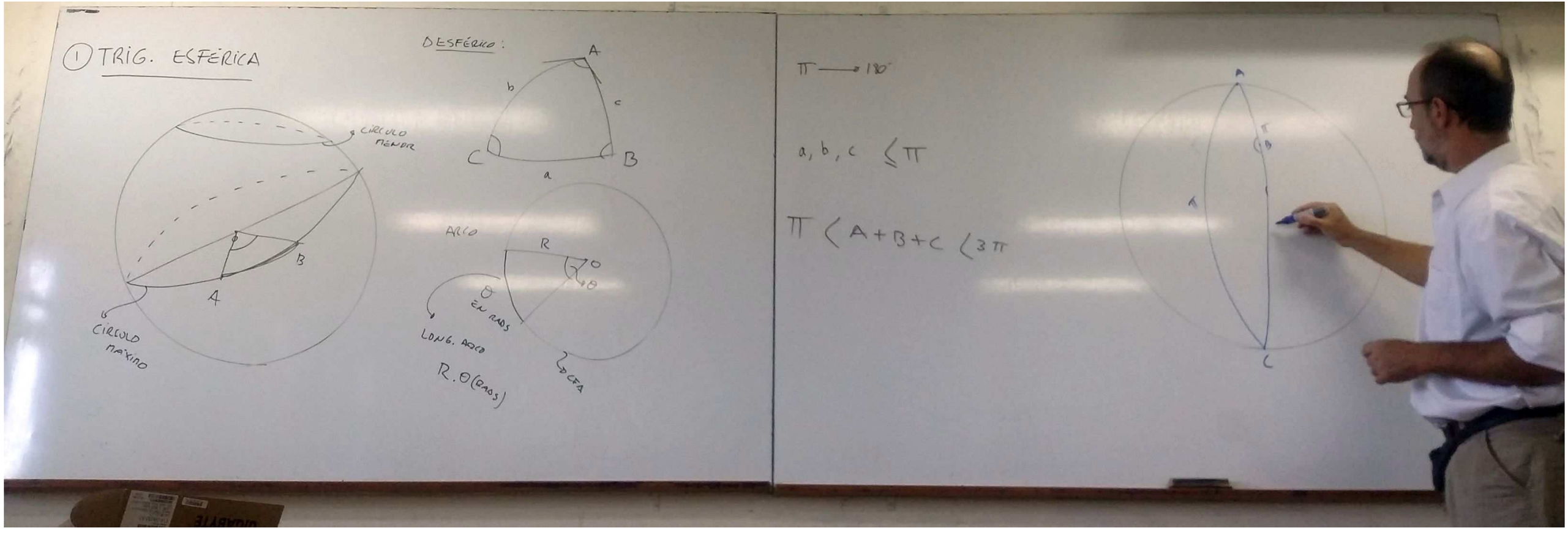
$\pi \longrightarrow 180°$

$a, b, c \leq \pi$

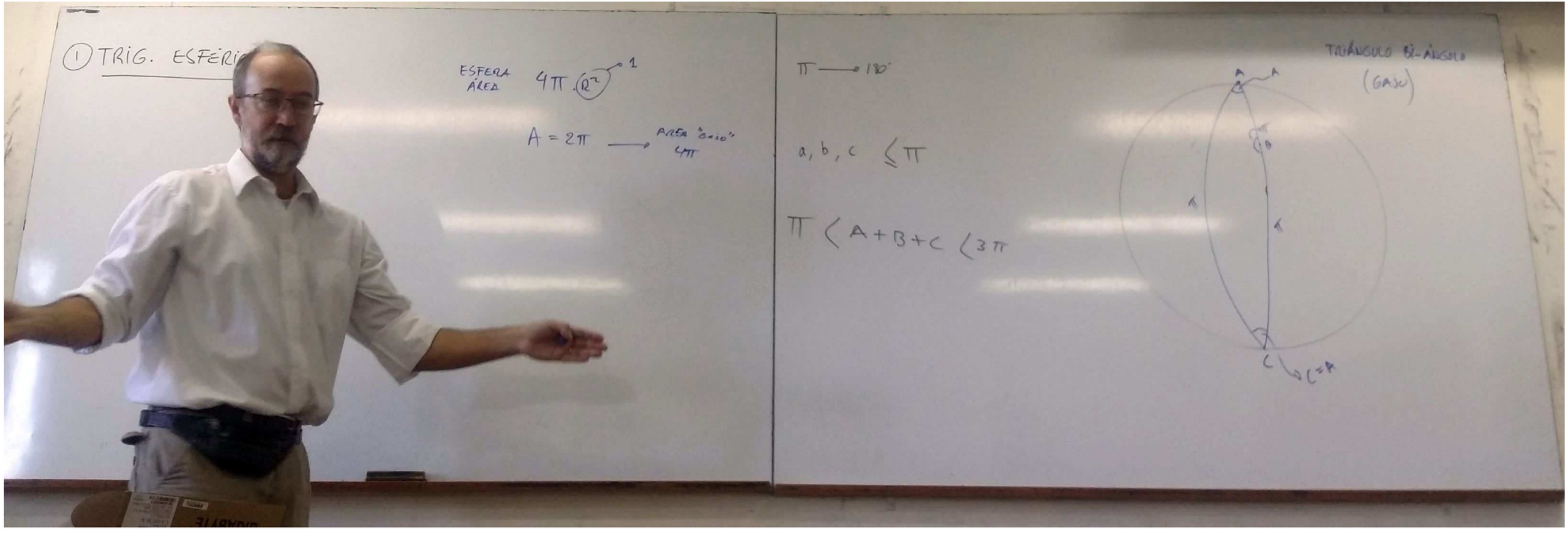
$\pi < A+B+C < 3\pi$



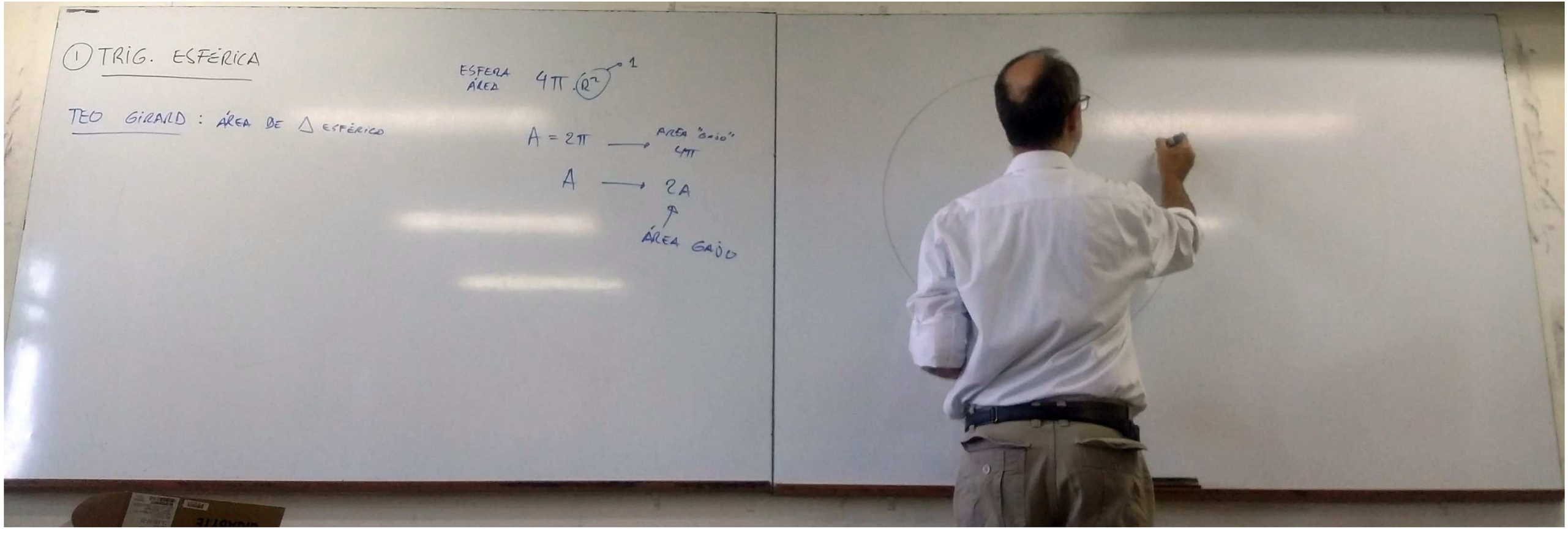
Astronomia Fundamental 2018 - clase 1



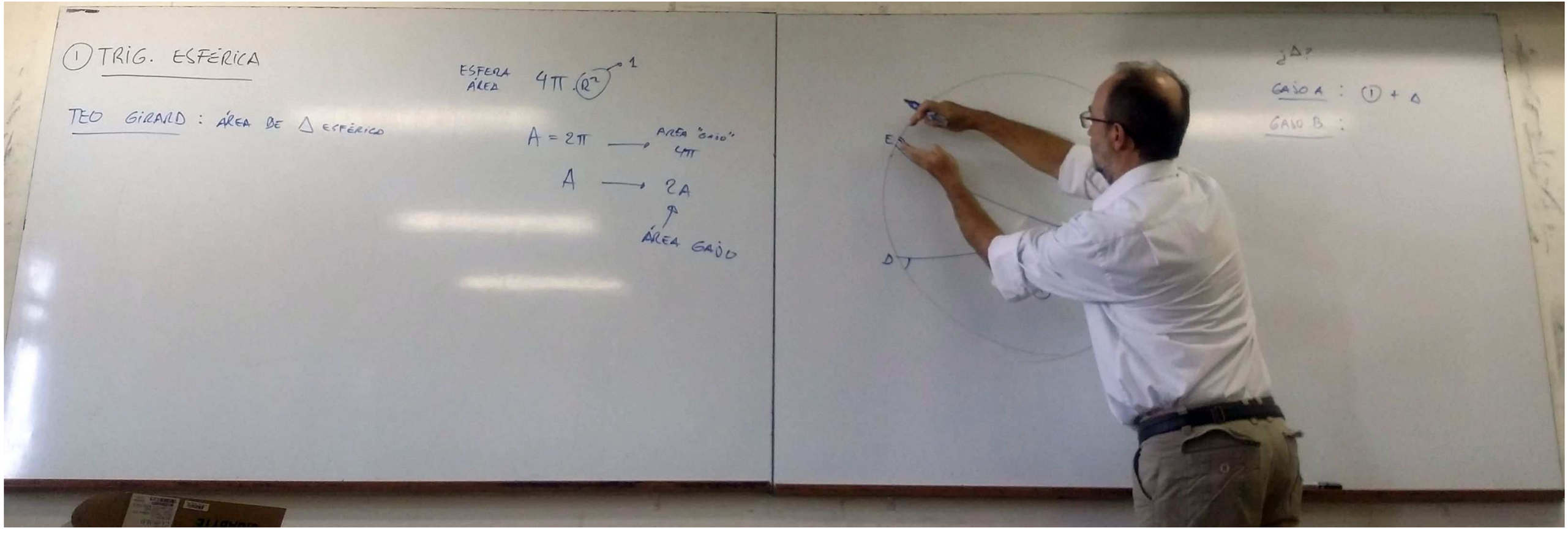
Astronomia Fundamental 2018 - clase 1



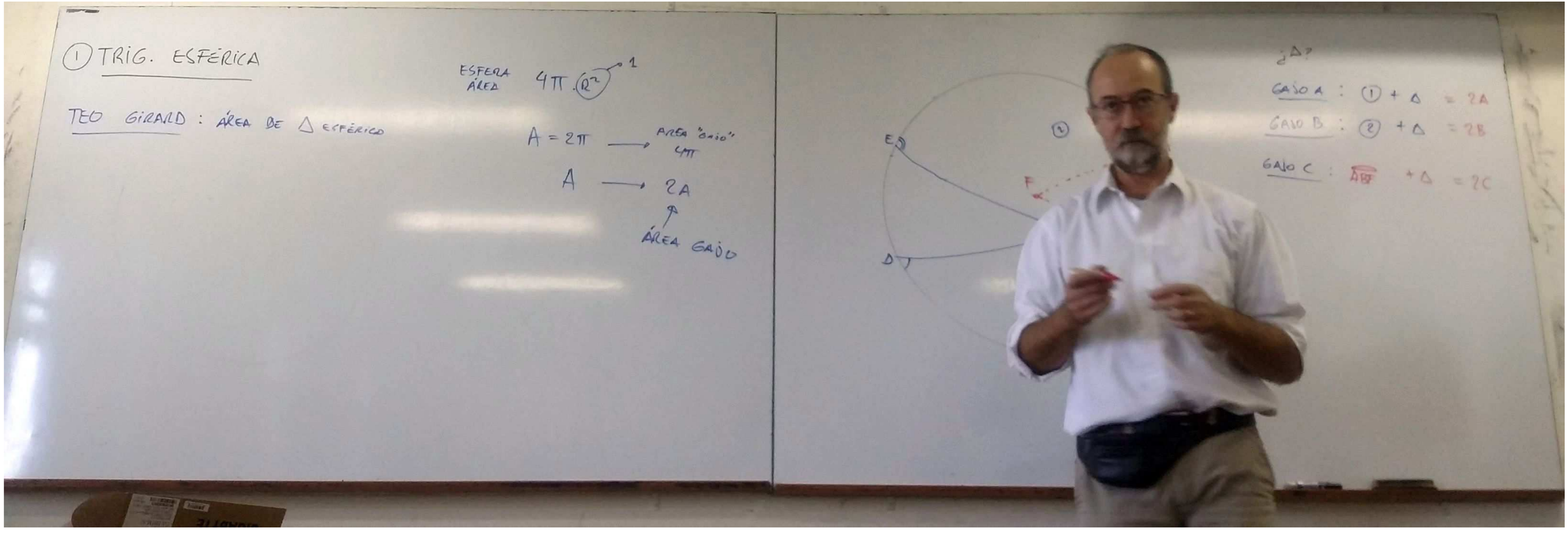
Astronomia Fundamental 2018 - clase 1



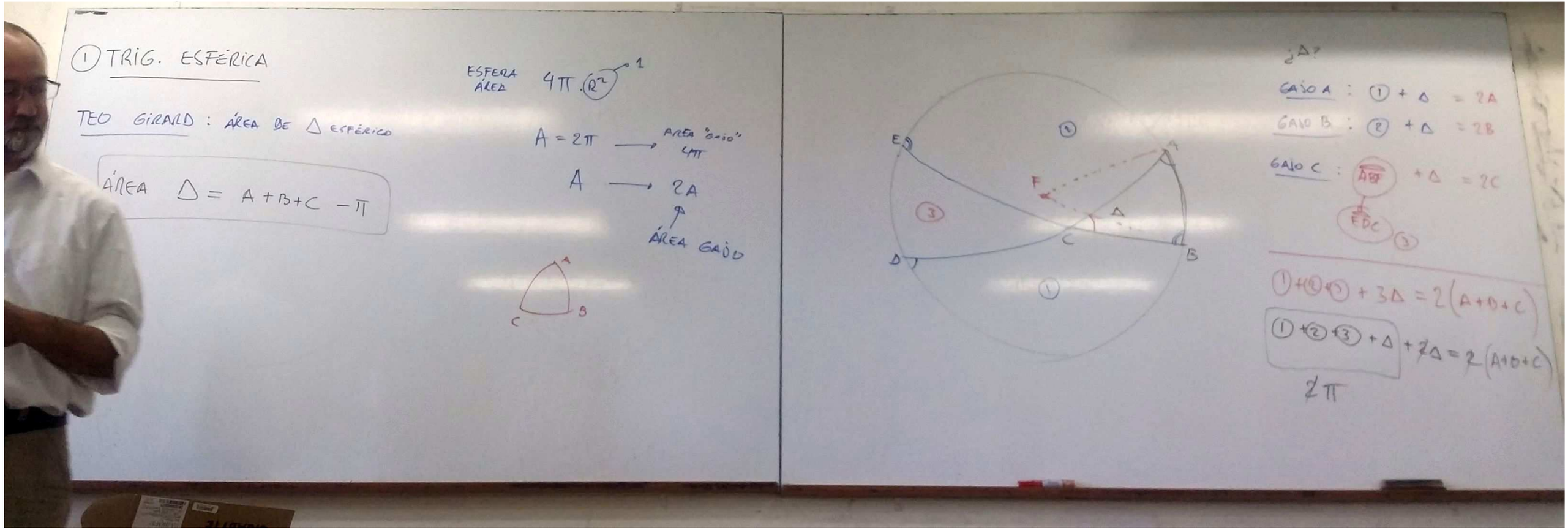
Astronomia Fundamental 2018 - clase 1



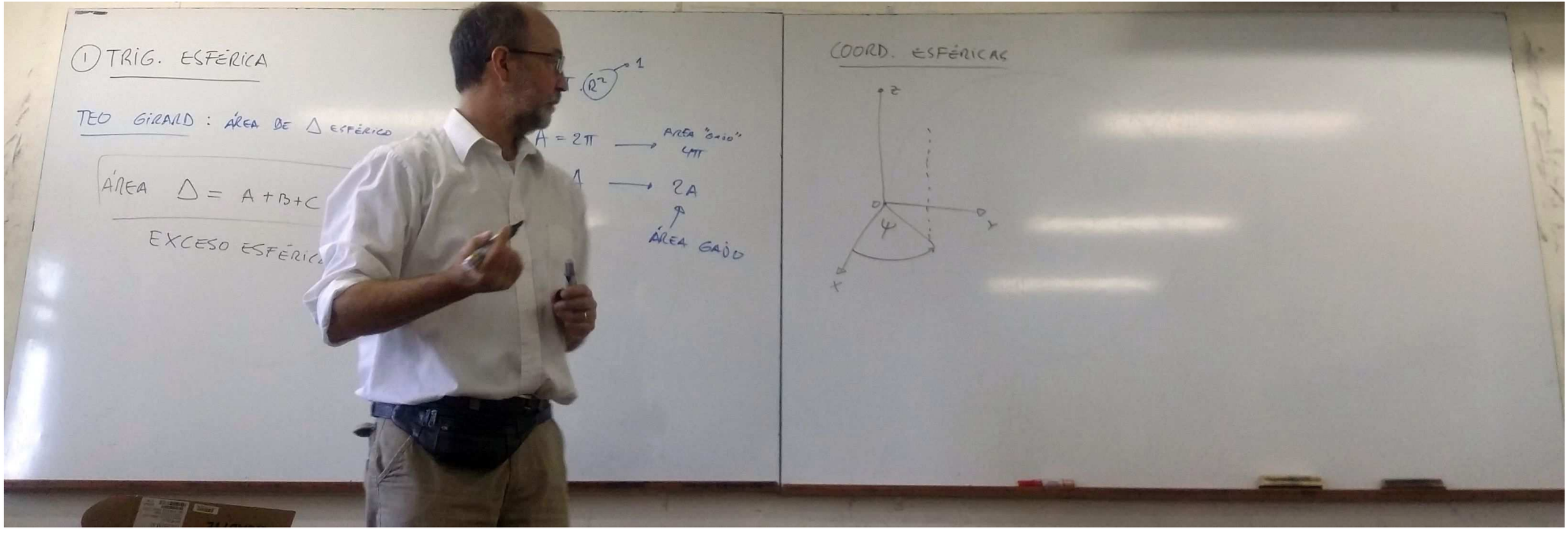
Astronomia Fundamental 2018 - clase 1



Astronomia Fundamental 2018 - clase 1



Astronomia Fundamental 2018 - clase 1



① TRIG. ESFÉRICA

ESFERA ÁREA $4\pi \cdot (R^2)$ → 1

TEO GIRARD : ÁREA DE △ ESFÉRICO

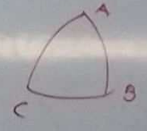
$$\text{ÁREA } \triangle = A + B + C - \pi$$

EXCESO ESFÉRICO

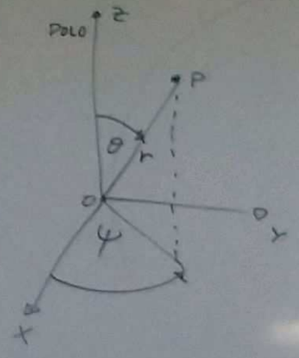
$A = 2\pi$ → ÁREA "GAJO" 4π

A → $2A$

↑ ÁREA GAJO



COORD. ESFÉRICAS



$0 \leq \psi < 360$ ACIMUTAL

$0 \leq \theta < 180$ POLAR

(ψ, θ)

XY : PLANO FUNDAMENTAL

RECTANGULARES :

$z = r \cdot \cos\theta$

$y = r \cdot \sin\theta \cdot \sin\psi$

$x = r \cdot \sin\theta \cdot \cos\psi$