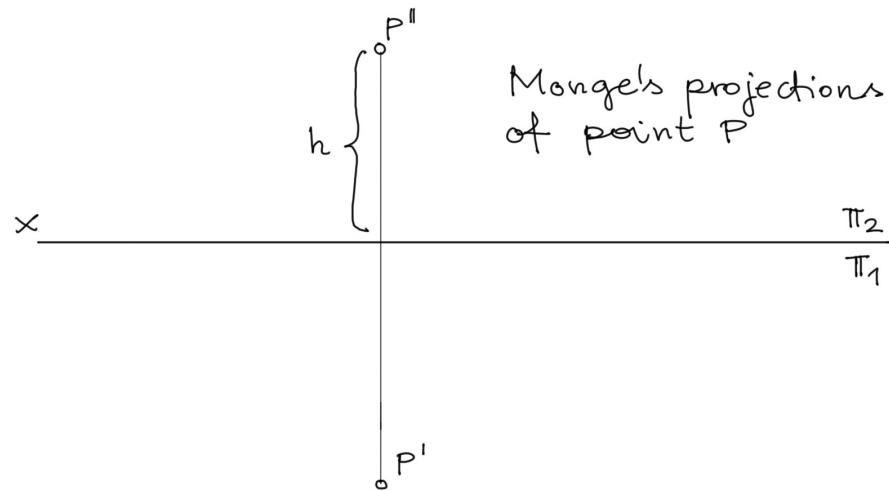


MARKED PROJECTION - INTRODUCTION

Lecture 6
14 Nov 2022



1. Point



marked
(map, topographic)
projection of point P
Tu - unit

$P'_{(h)}$

$\pi_1 \equiv \pi$

π_2 - does not exist
h - mark of point P
characteristic of P
cote of P
 $P \mapsto P'_{(h)}$

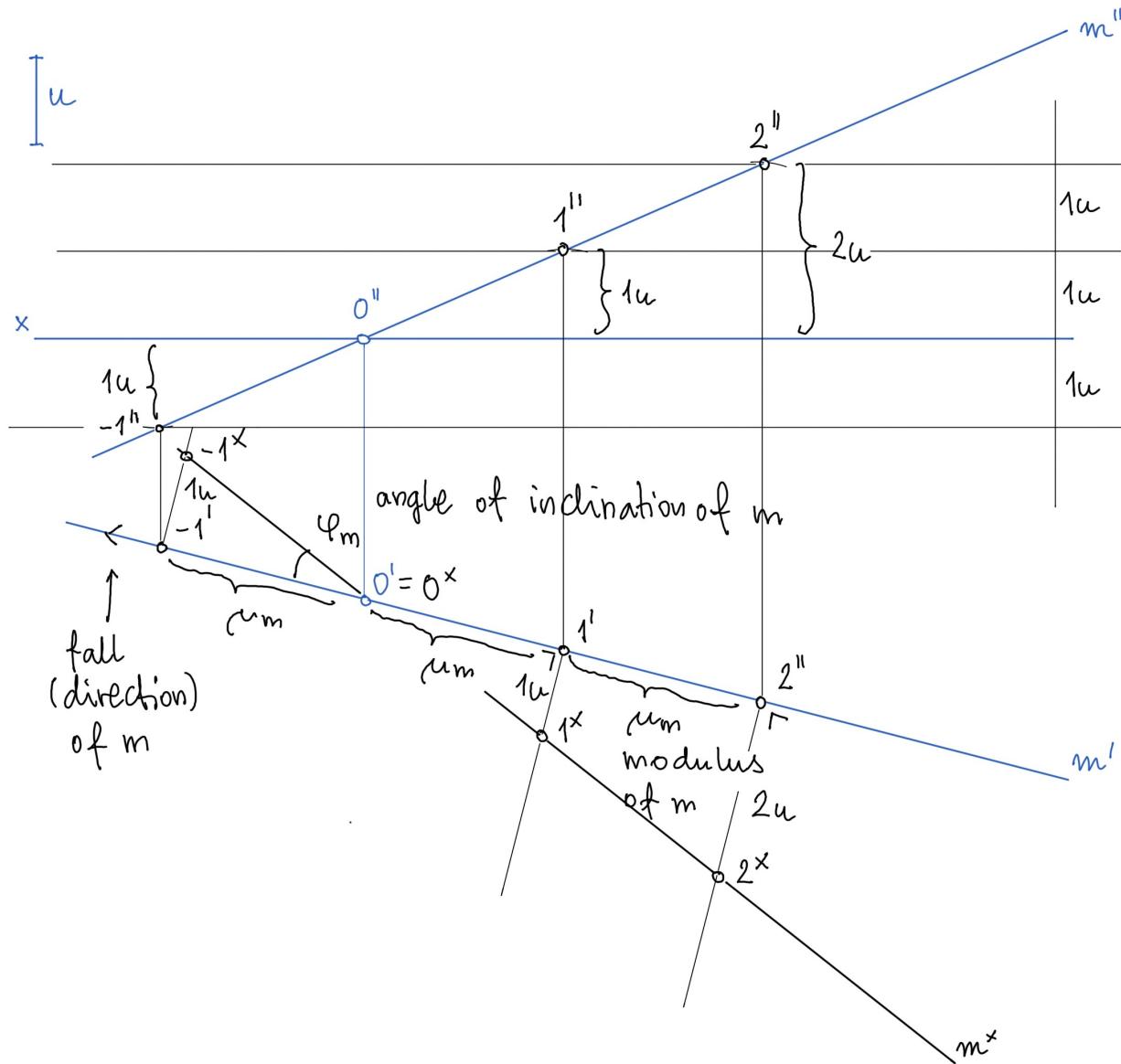
Examples:

$P'_{(2)}$ - point P is located at 2u above π

$Q'_{(-2.5)}$ - Q 2.5u below π

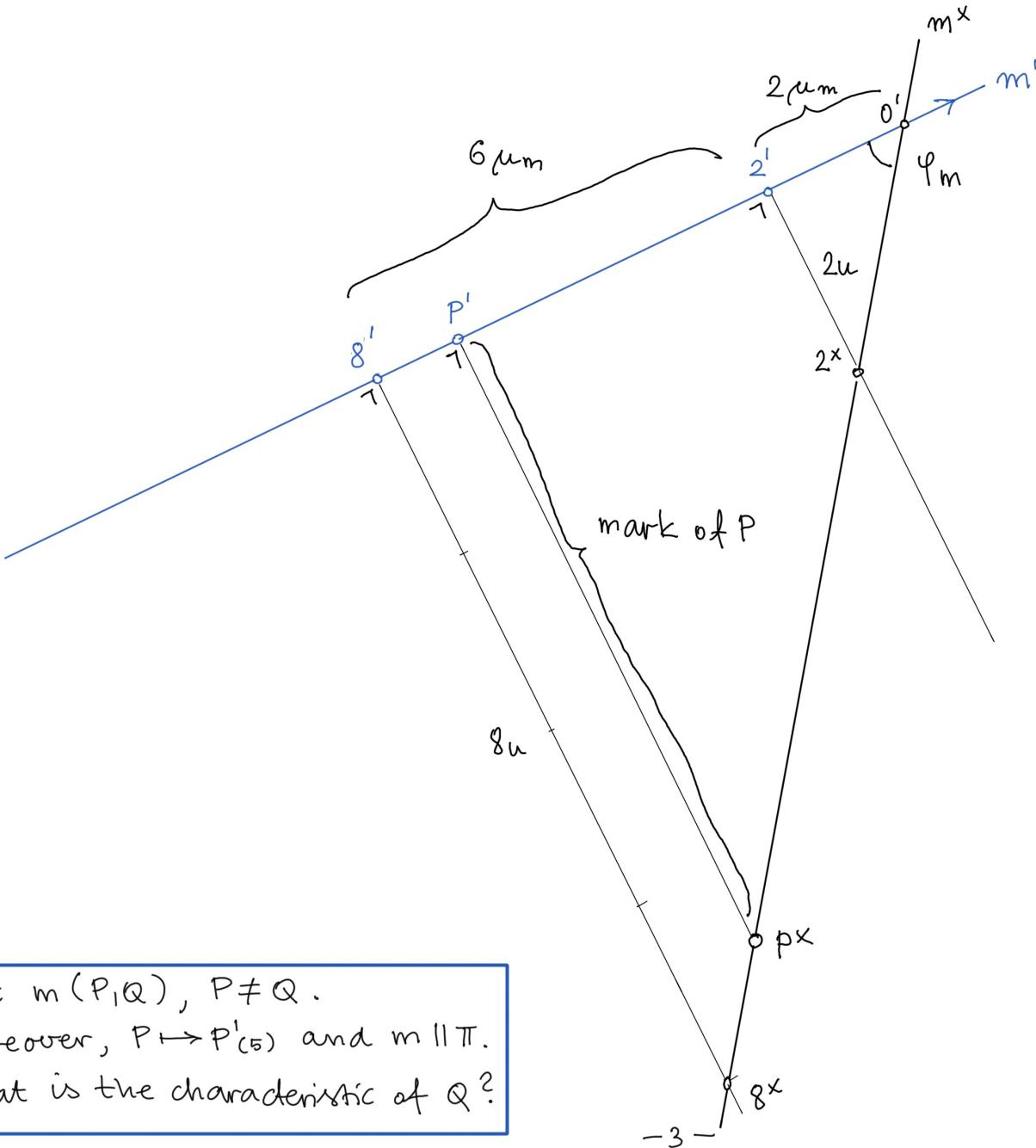
$4'$ - a point located at 4u above π

2. Line



2

Let $m(P_1Q)$, $P \neq Q$.
 Moreover, $P \mapsto P'(5)$ and $m \parallel \pi$.
 • What is the characteristic of Q ?

 u 

Given:

$$m(2,8), P \in m$$

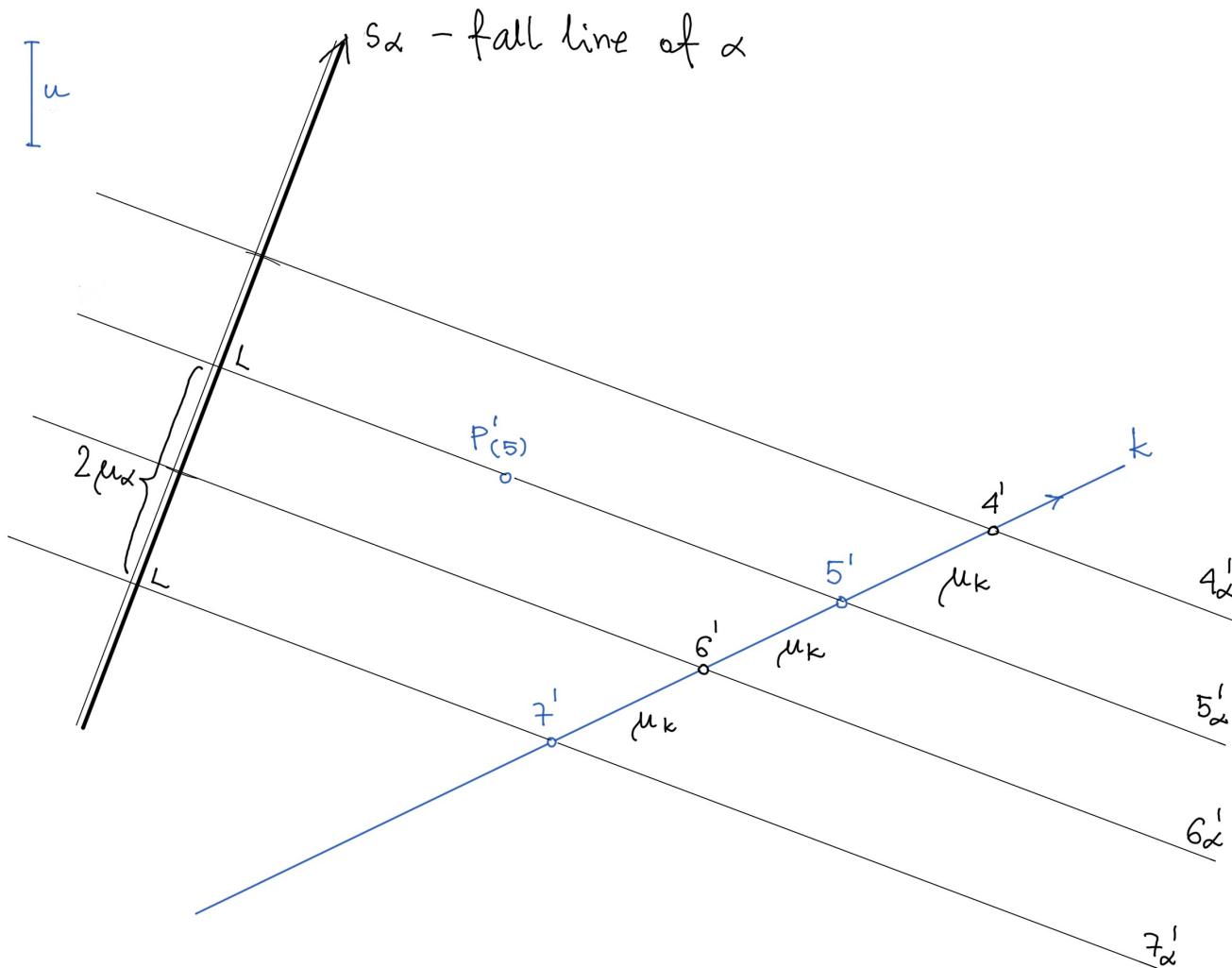
Problem:

- Find the inclination angle of m .
- Find the mark of P .

Solution:

- Inclination angle is found through rabatment

3. Plane



Given:

$$\alpha(k, P), k \not\parallel P$$

$$\{5, 7\} \not\propto k$$

Problem:

- Find the fall line of α
- Find the modulus of α
- Find the slope of α
- Gradate α

Solution:

- 5_α - level line on α

$$5_\alpha \not\propto \alpha, 5_\alpha \parallel \pi$$

$$\begin{Bmatrix} \varphi_\alpha \\ n_\alpha \\ m_\alpha \end{Bmatrix} = \begin{Bmatrix} \varphi_{s_\alpha} \\ n_{s_\alpha} \\ m_{s_\alpha} \end{Bmatrix}$$