



TOSHKENT IRRIGATSIYA VA QISHLOQ
XO'JALIGINI MEXANIZATSİYALASH
MUHANDISLARI INSTITUTI



FAN: MGD va KK

MAVZU

Aylanish sirtlari

Ma`ruzachi:

p.f.f.d., (Phd). U.A.Nasritdinova

Toshkent – 2020

Режа:

- 1 Конус кесимларини ҳосил қилиш**
- 2 Доиравий конусда айлана учбурчаклик, эллипс, парабола ва гиперболани ҳосил қилиш**
- 3 Айланиш сиртларида кесим ҳосил қилиш**
- 4. Конус кесимларига оид топшириқлар**

Таянч иборалар:

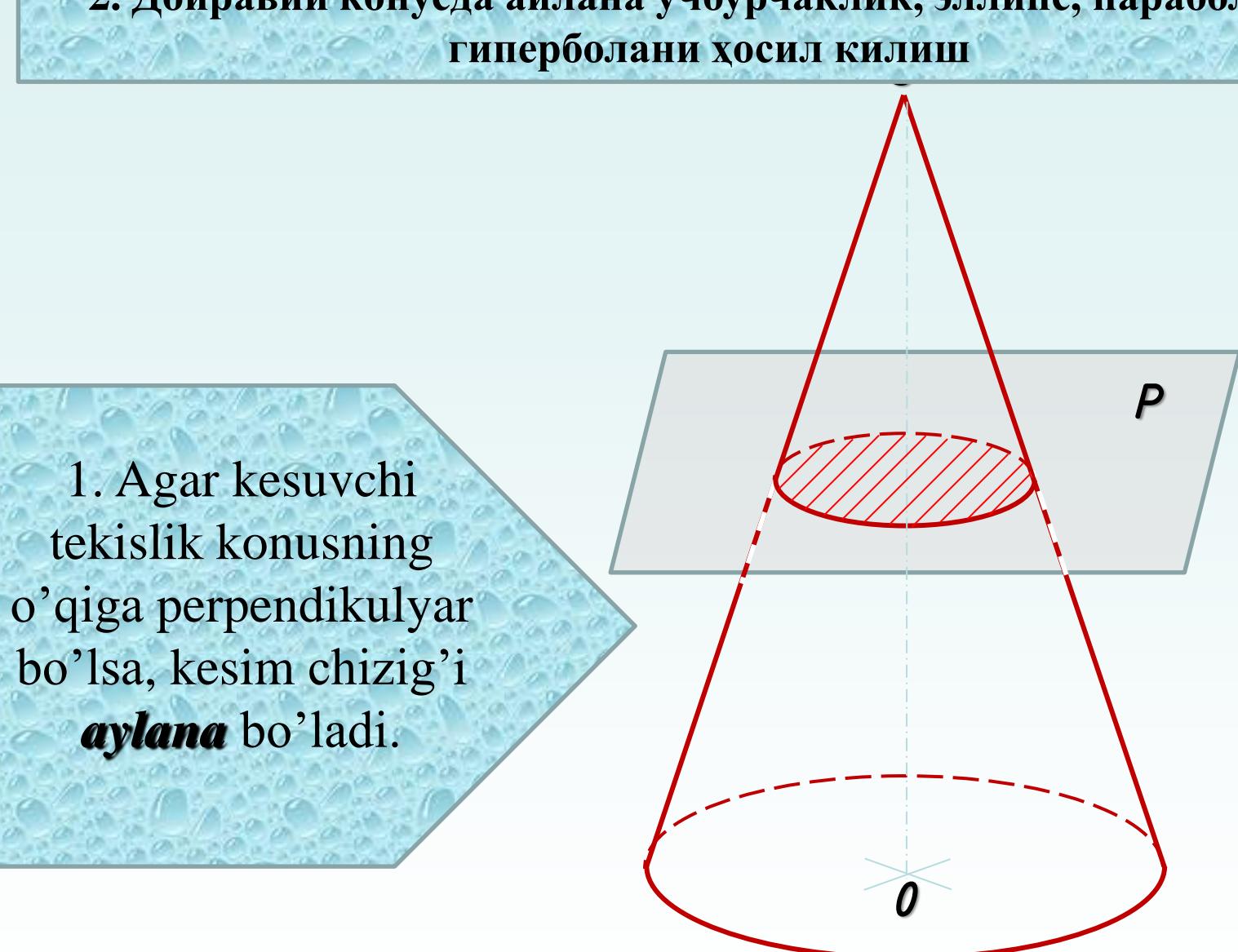
Йўналтирувчи, ясовчи, кесим шакли, кесим шаклининг ҳақиқий катталиги, иккинчи тартибли эгри чизиқлар

1. Конус кесимларини ҳосил қилиш

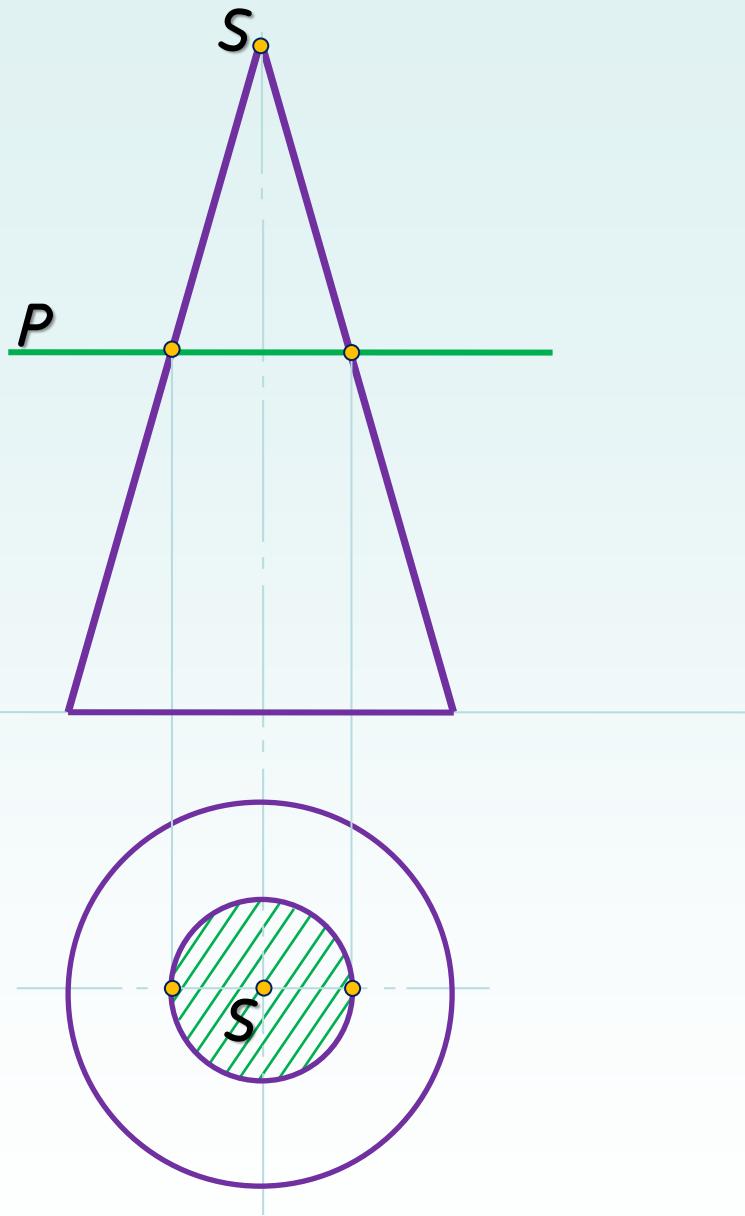
Ikkinchi tartibli konus sirtning tekislik bilan kesilishidan hosil bo'ladigan chiziqlar ***konus kesimlar*** deyiladi.

Bu chiziqlar jumlasiga ***aylana***, ***ellips***, ***parabola***, ***giperbola*** va ***ikki kesishgan to'g'ri (uchburchak)*** kiradi.

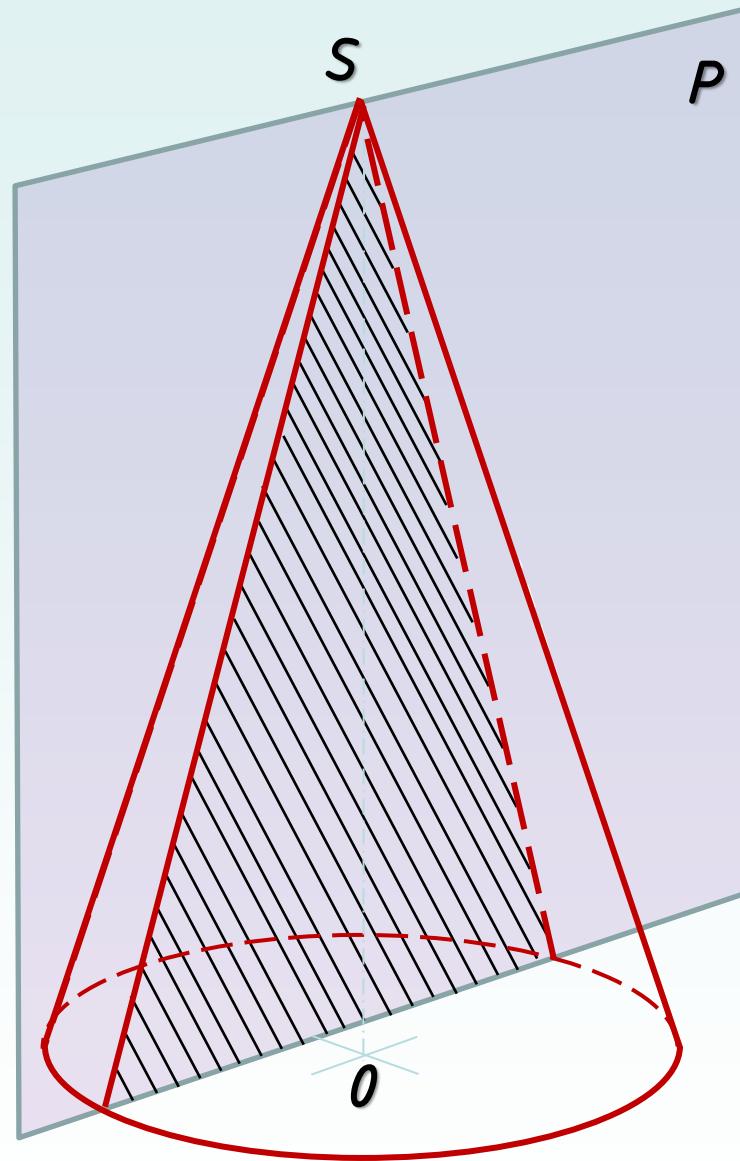
2. Доиравий конусда айланы учбурчаклик, эллипс, парабола ва гиперболани ҳосил килиш



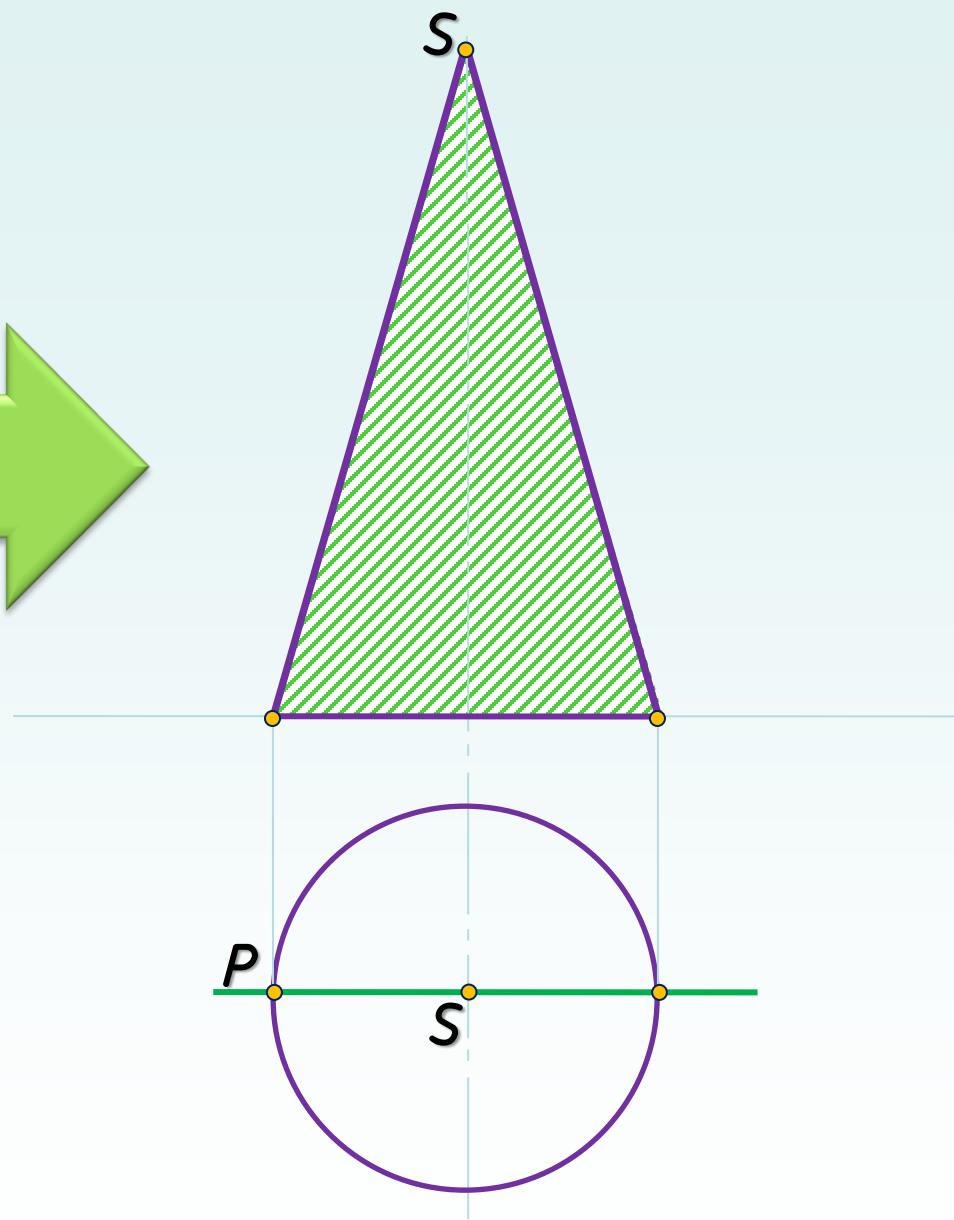
**EPYURDA
BERILISHI**



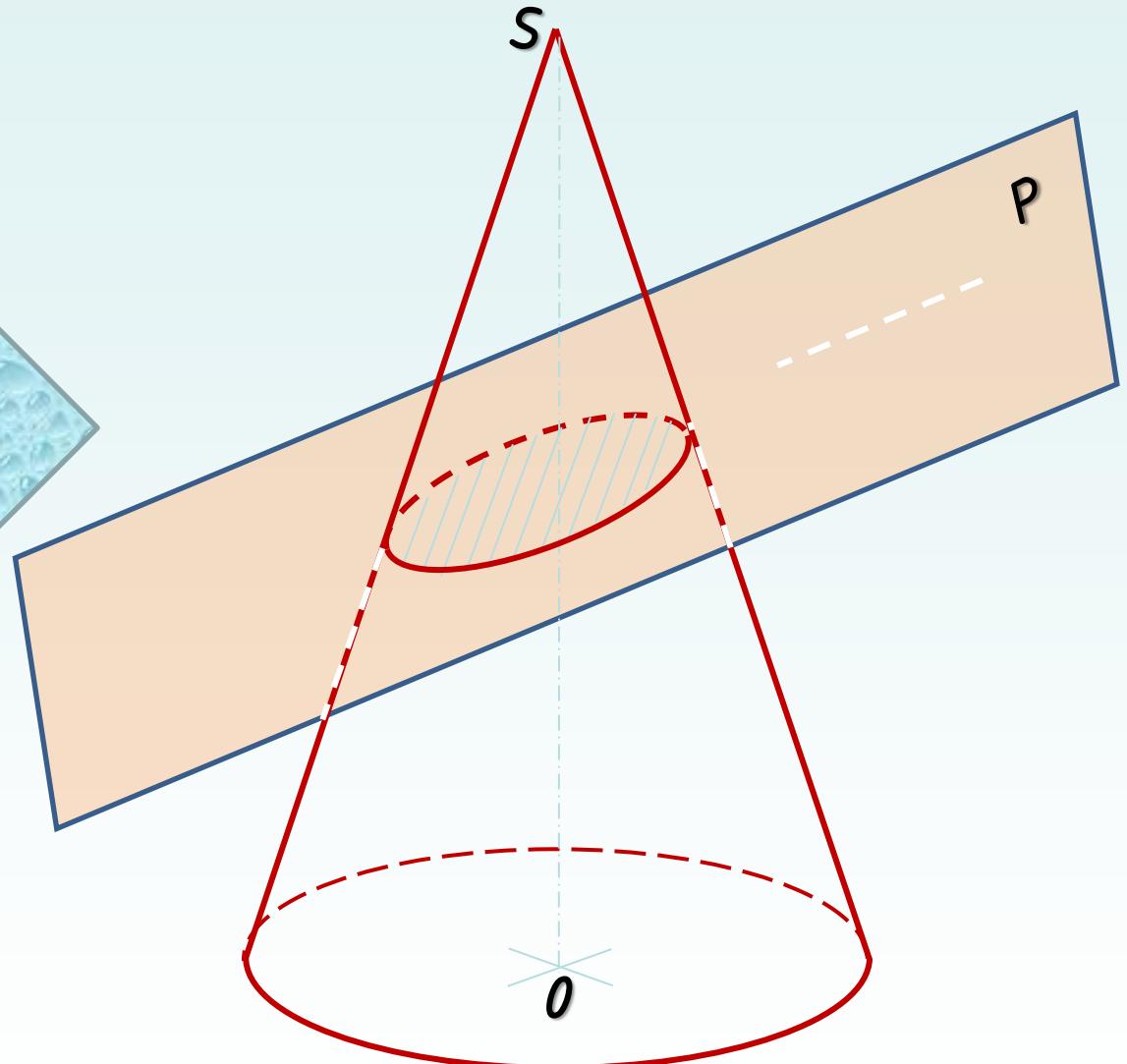
2. Agar tekislik
konusning uchidan
o'tib, ikki yasovchisi
bo'yicha kesib tushsa,
kesim chizig'i ***ikki***
kesishgan to'g'ri
chiziq(uchburchak)
bo'ladi



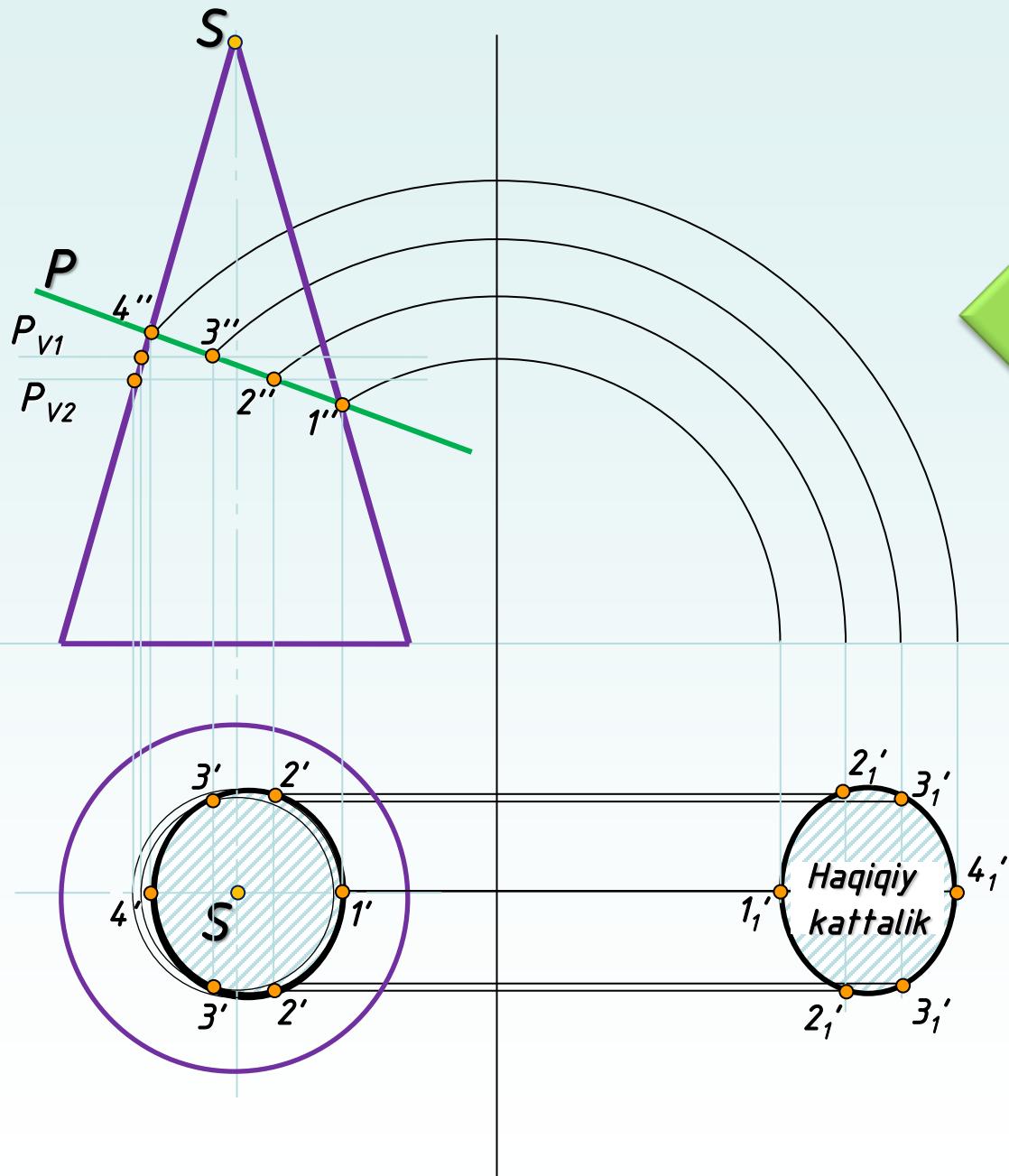
**EPYURDA
BERILISHI**

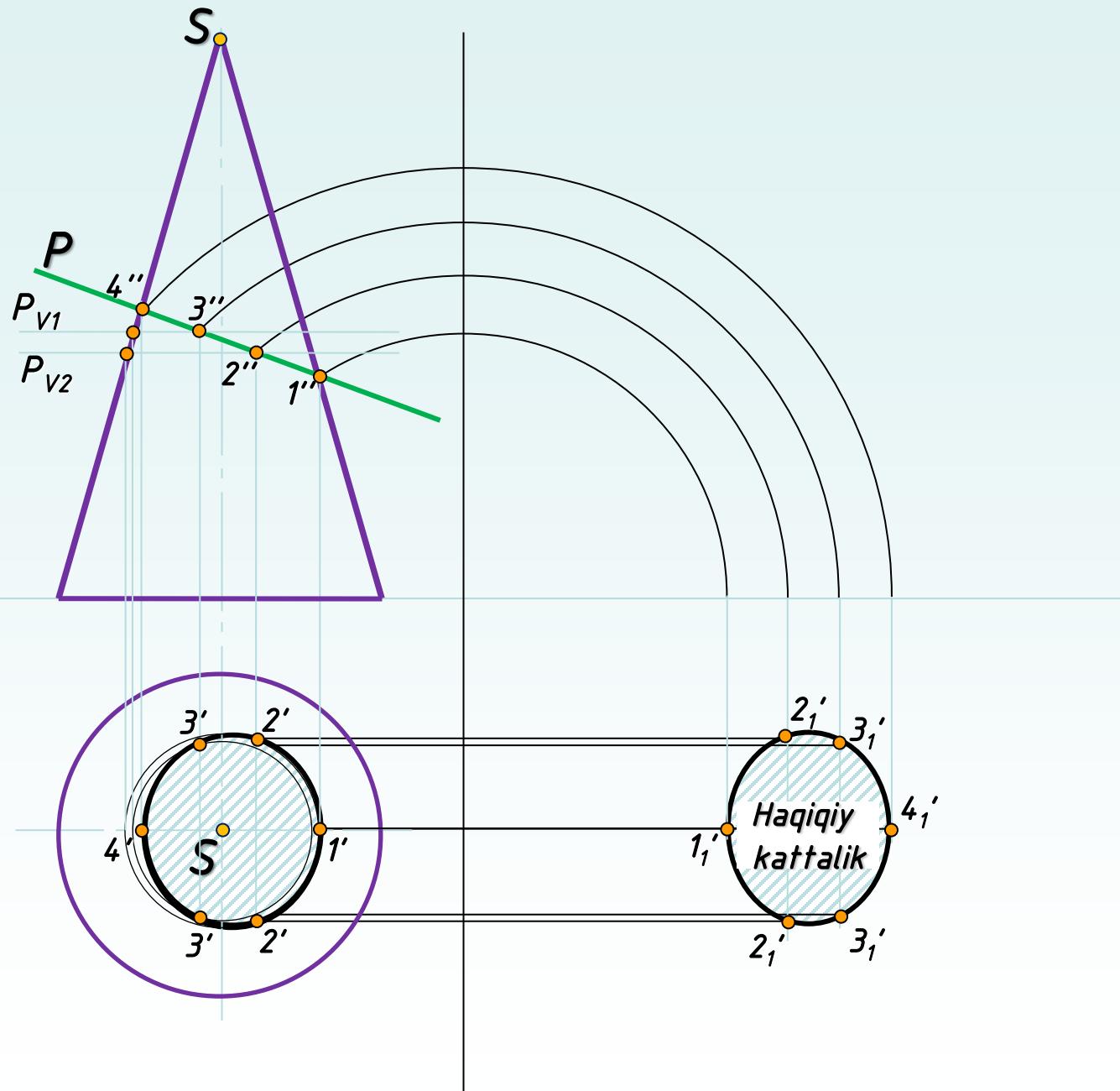


3. Agar tekislik konusning o'qiga o'g'ma bo'lish bilan birga, uning hamma yasovchilarini kesib o'tsa , kesim chizig'i ***ellipis*** bo'ladi.

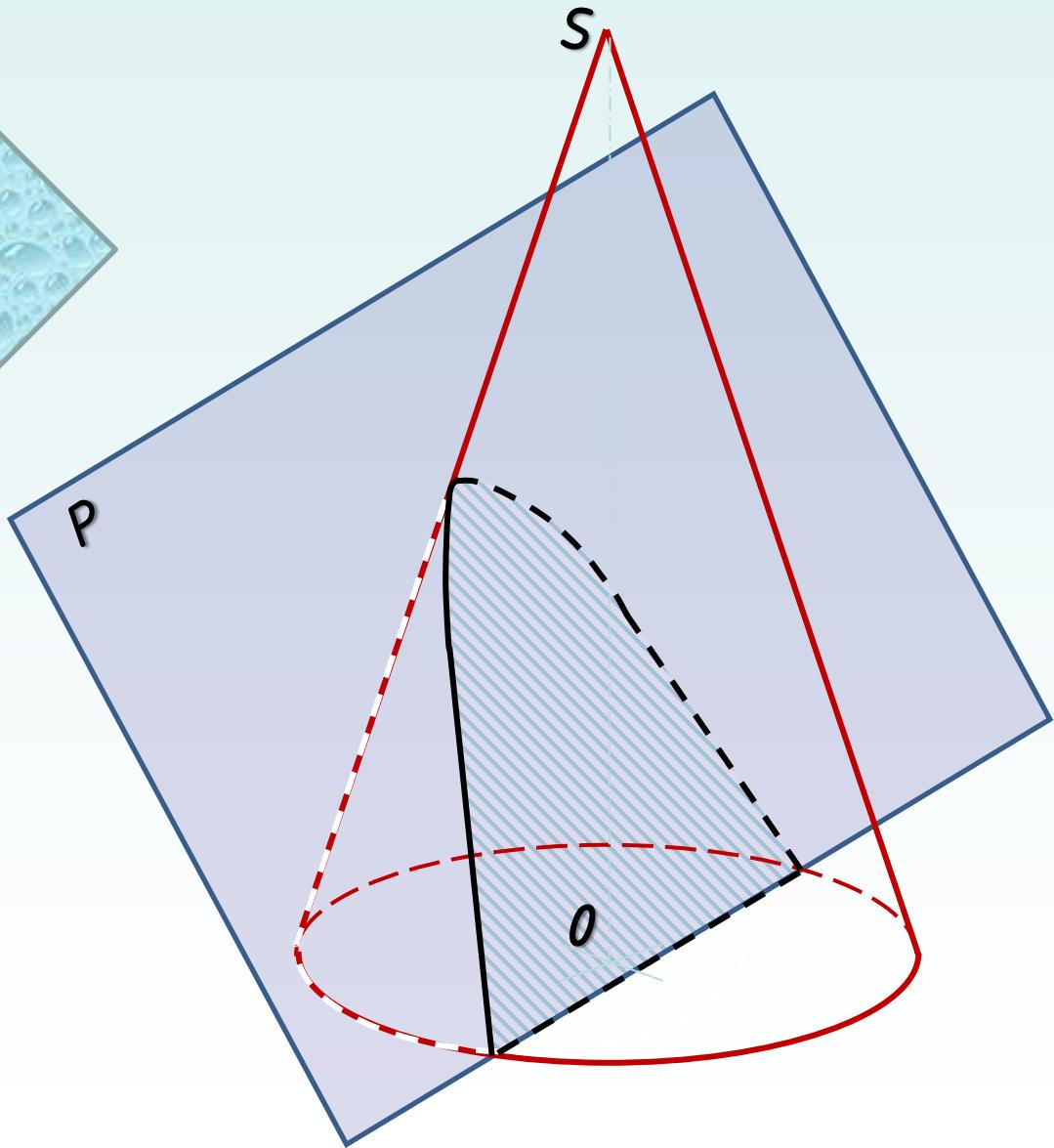


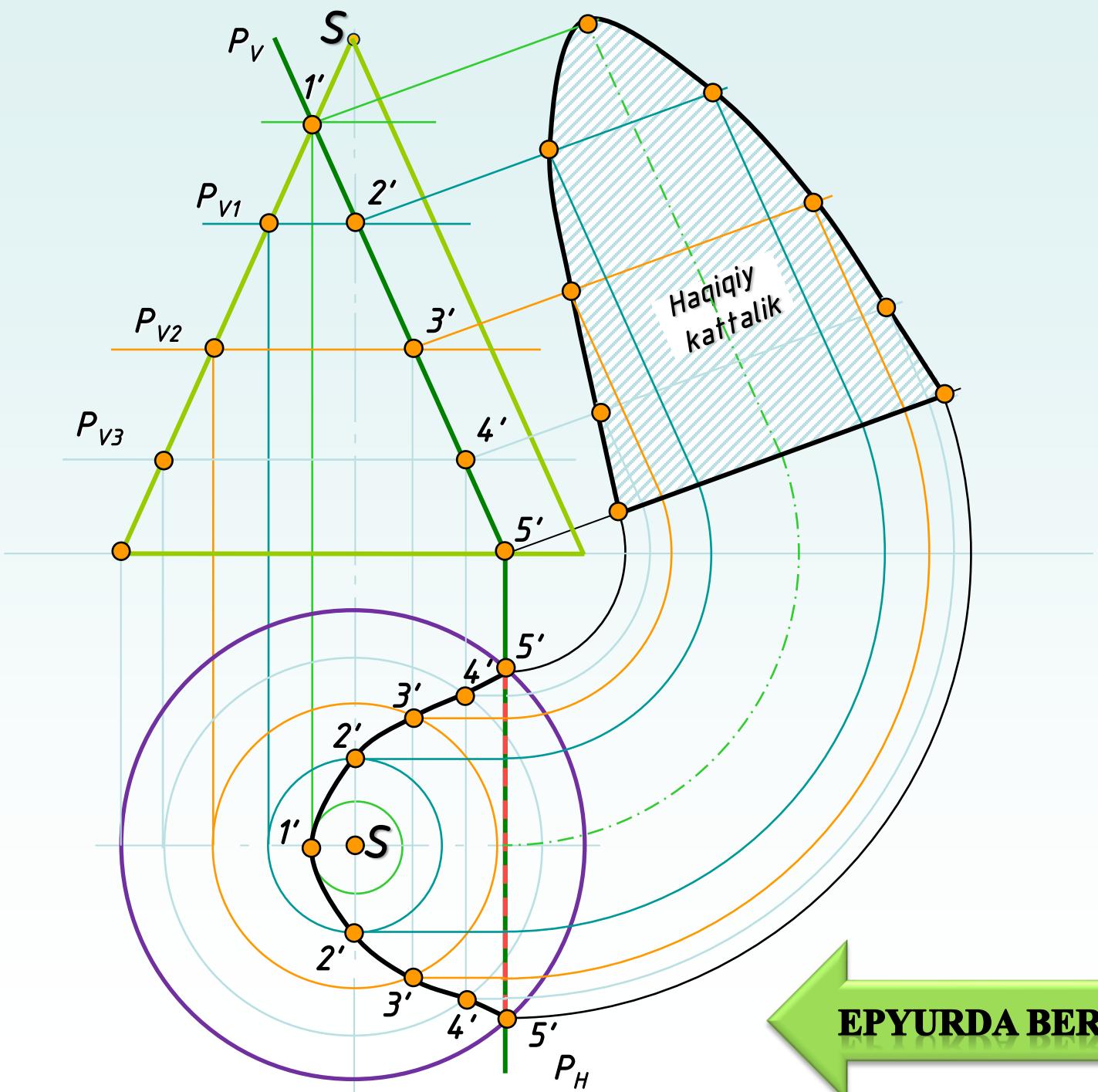
**EPYURDA
BERILISHI**



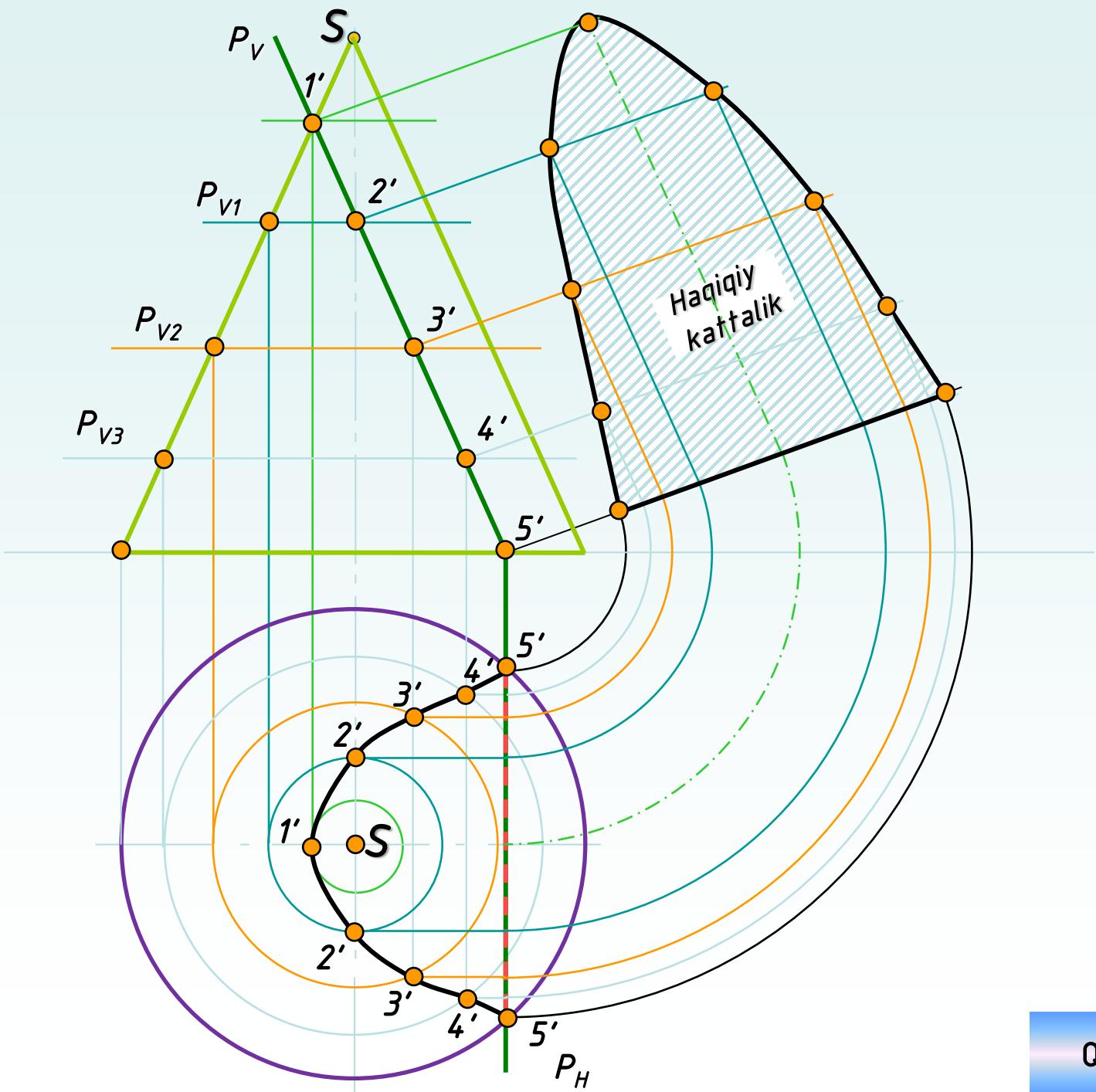


4. Agar kesuvchi tekislik konusning yasovchilaridan biriga parallel bo'lsa, kesim chizig'i ***parabola*** bo'ladi

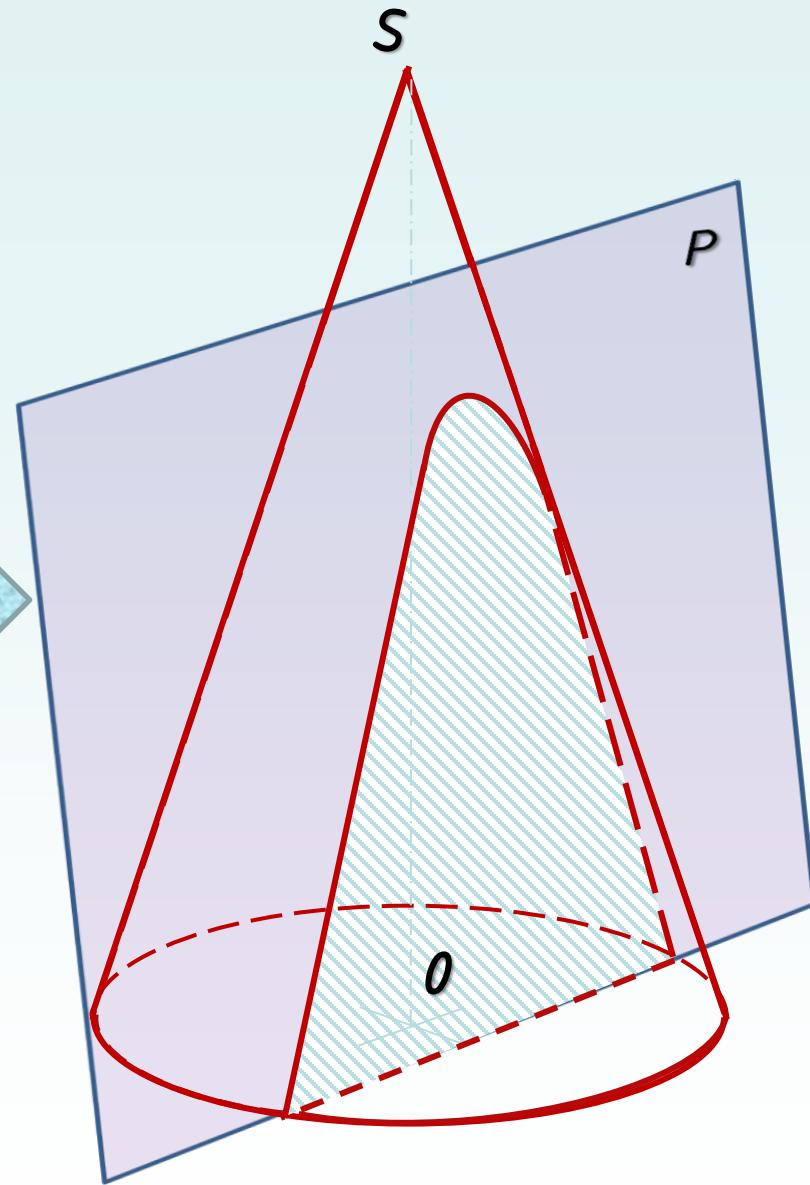




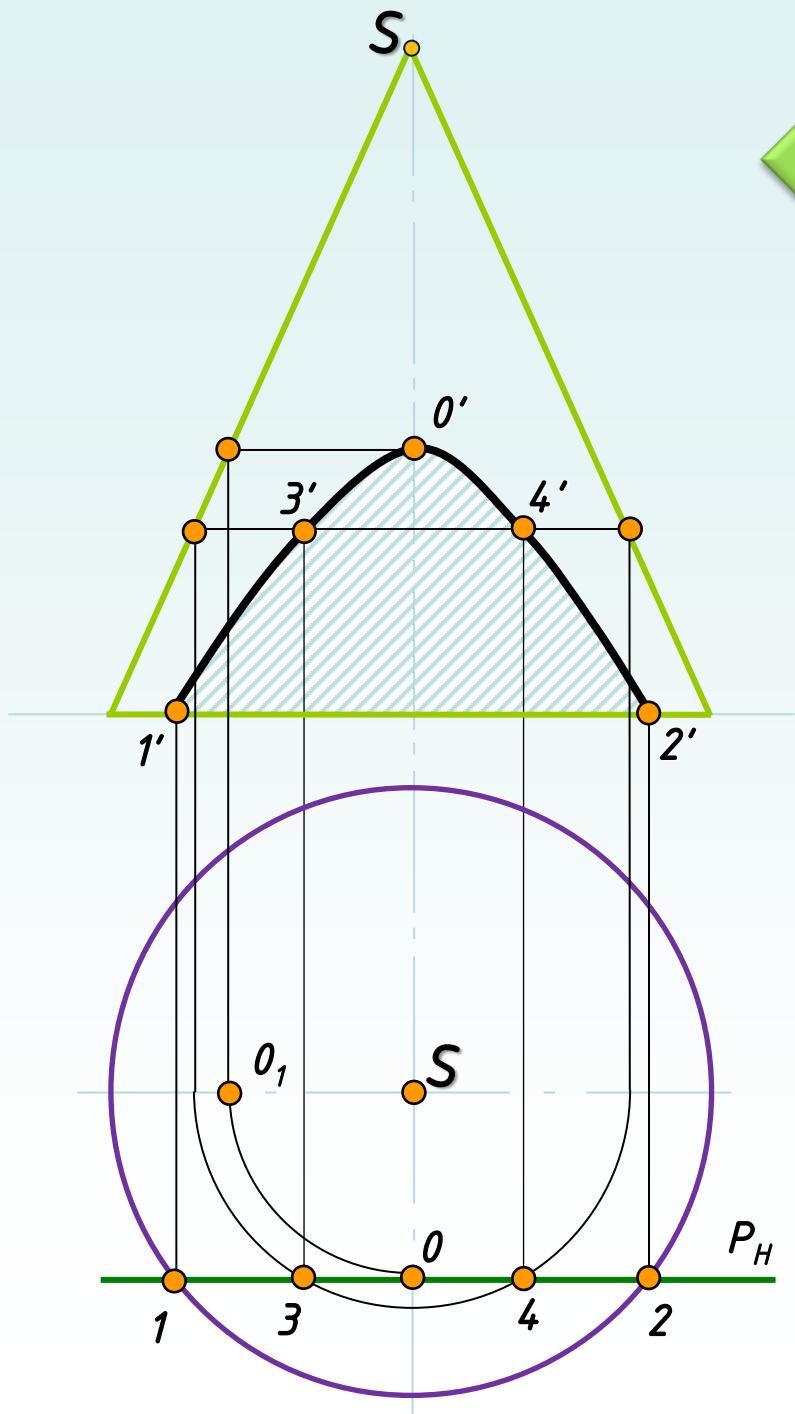
EPYURDA BERILISHI

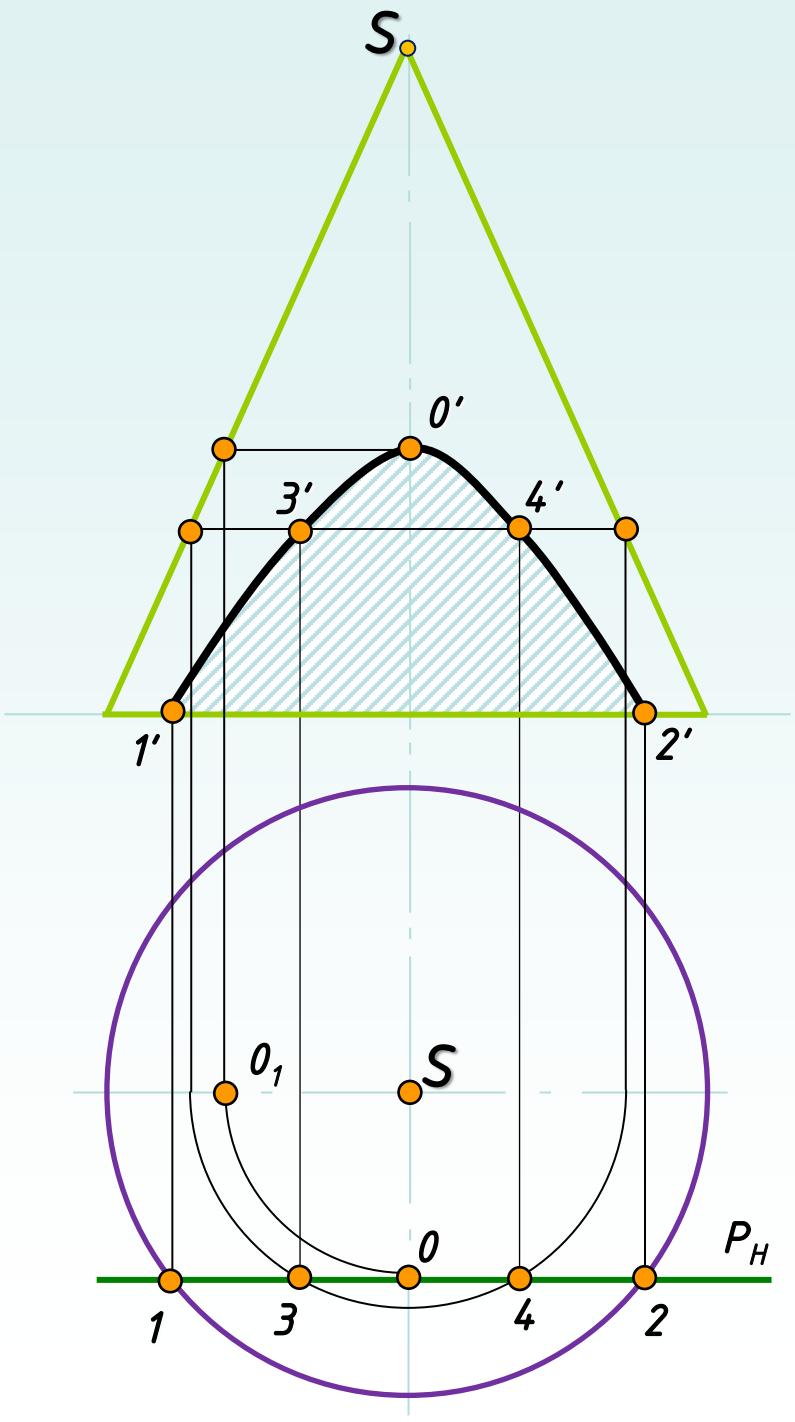


5. Agar keuvchi tekislik konusning ikki yasovchisiga parallel bo'lsa,
kesim chizigi **giperbola** bo'ladi.

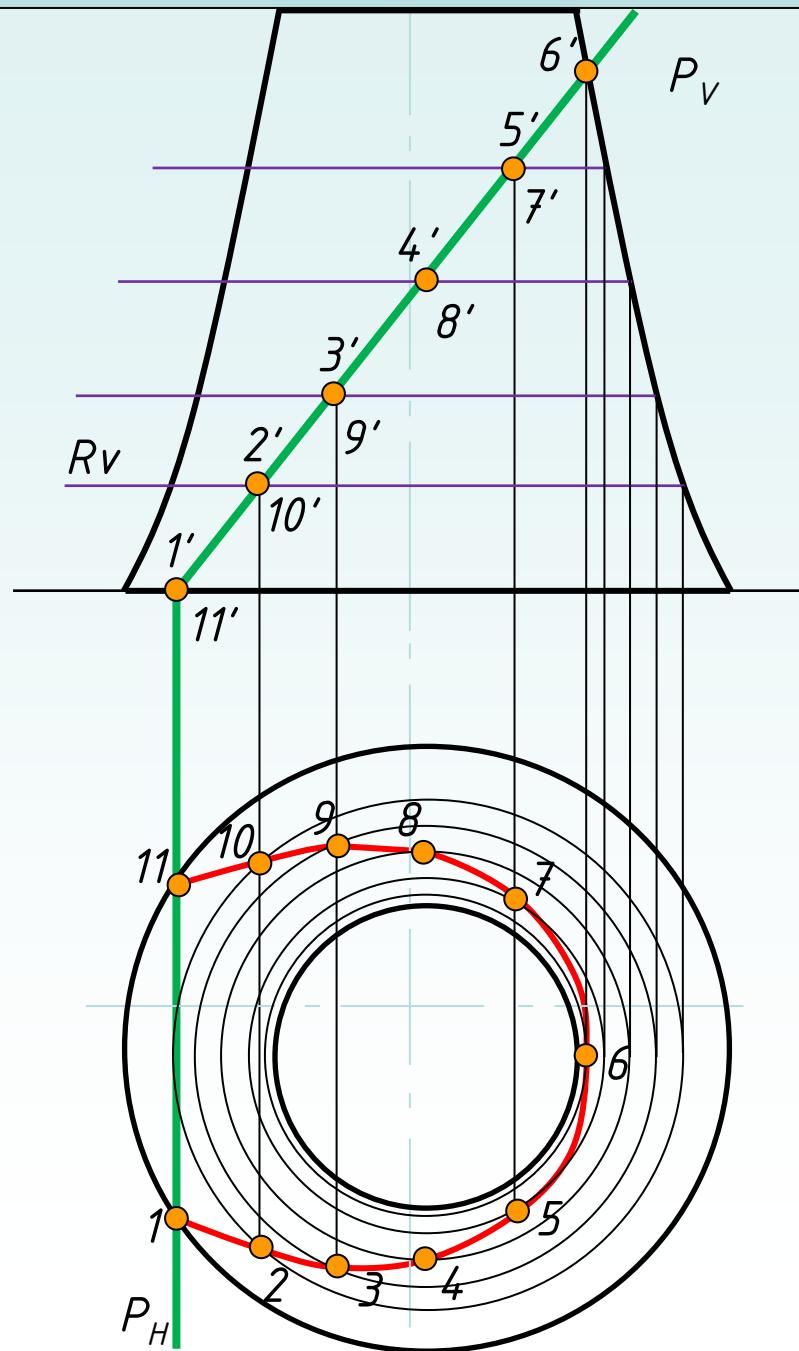


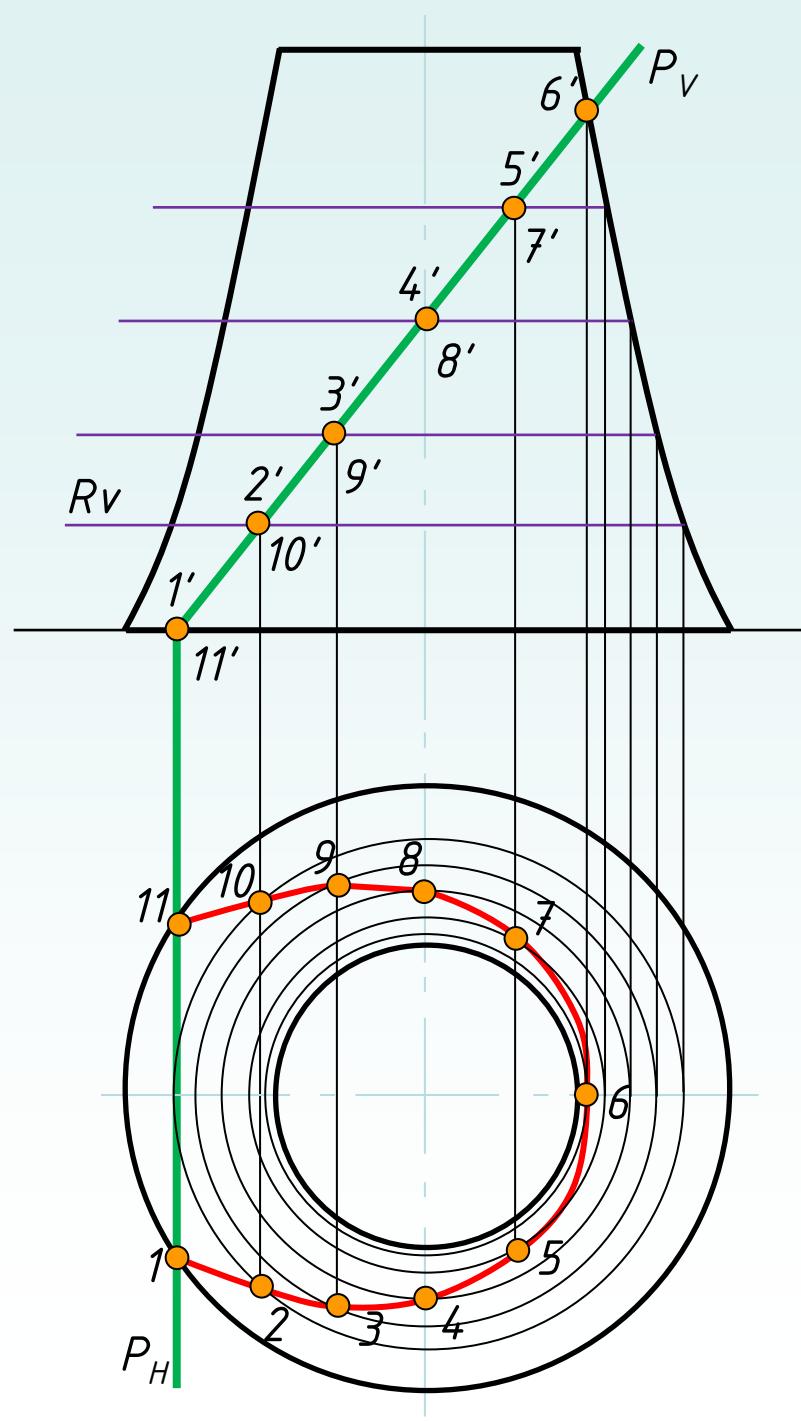
EPYURDA BERILISHI



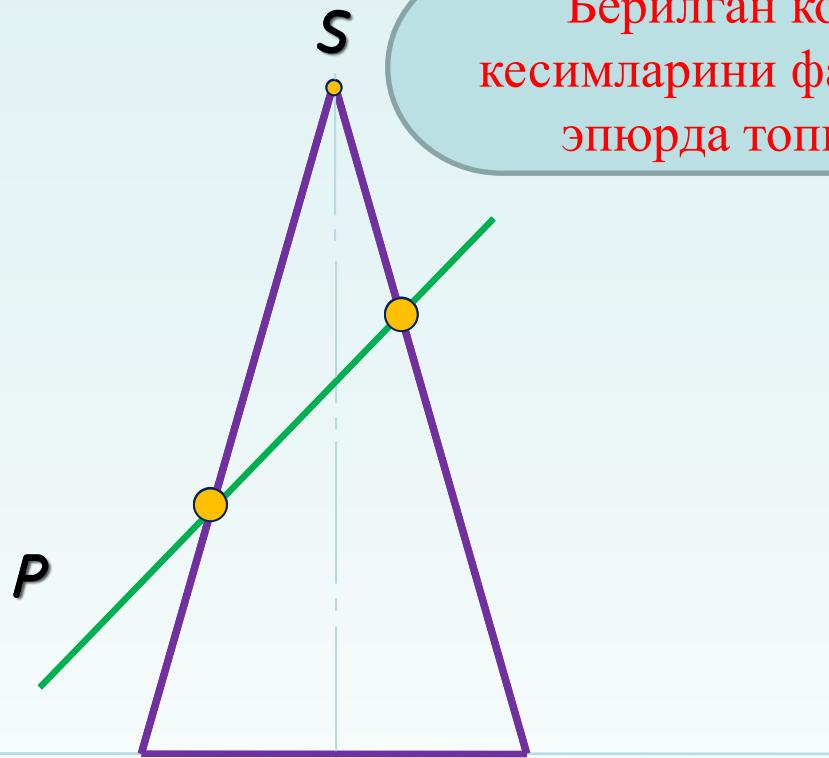


3. Айланиш сиртларида кесим ҳосил қилиш.

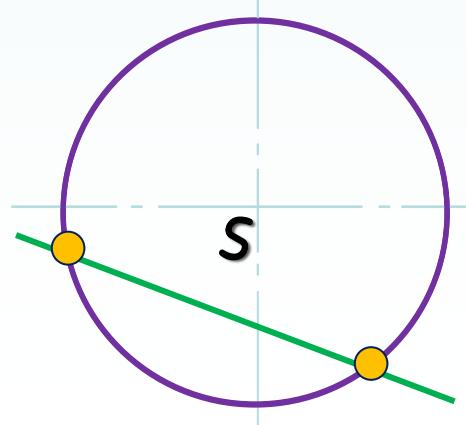
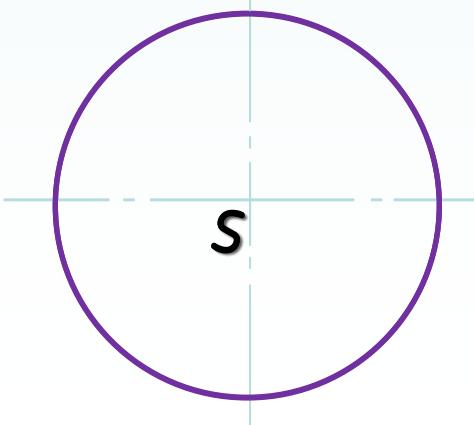
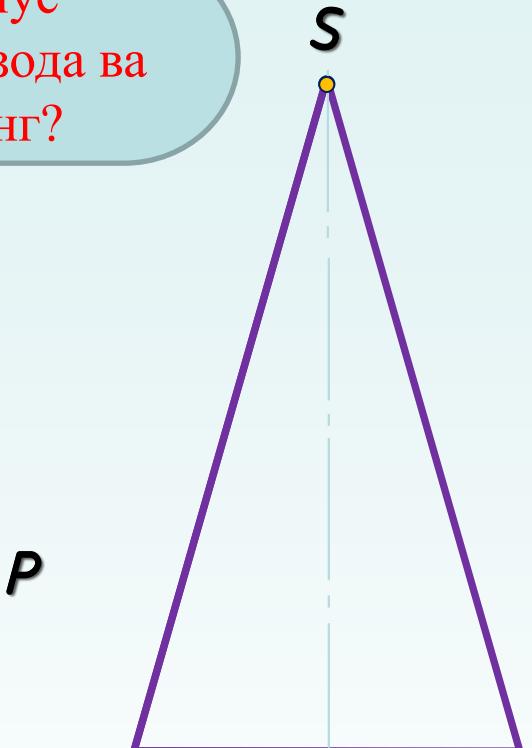




4. Конус кесимларыга оид топшириқлар



Берилган конус
кесимларини фазода ва
эпюрда топинг?



Adabiyotlar:

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- 6. Гордон В.О. ва бошқалар.«Курс начертательной геометрии»
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E'tiboringiz uchun rahmat



NASRITDINOVA UMIDA
AXMADJONOVNA



Chizma geometriya va muhandislik
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