Решение задач на готовых чертежах. Окружность. Центральные и вписанные углы.

Геометрия.
8 класс.

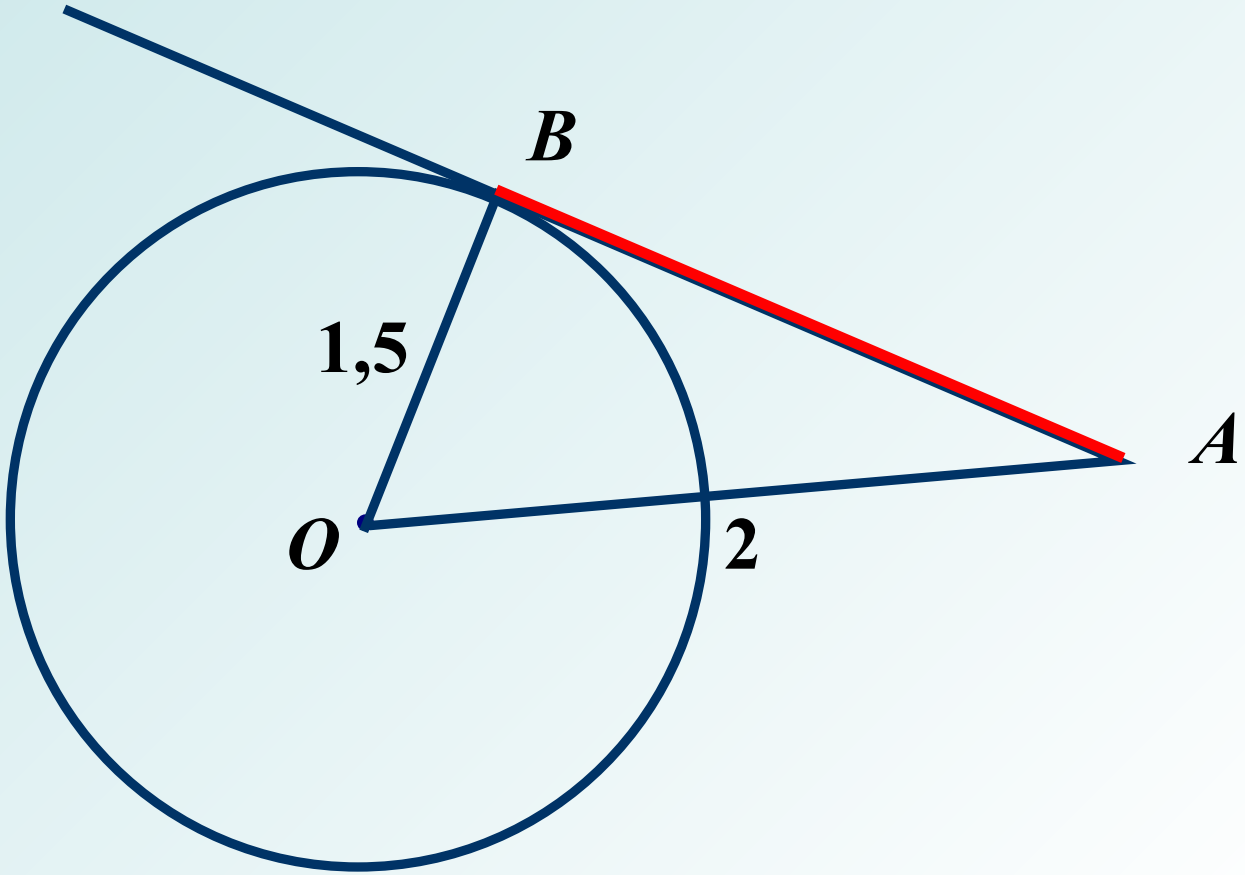
Каратанова Марина Николаевна
МОУ СОШ №256 г.Фокино

1	2	3	4	5	6
7	8	9	10	11	12
13	14	15	16	17	18
19	20	21	22	23	24
25	26	27	28	29	30
		31	32		

1.

Дано: $Îêð.(Î, r)$, $ÀÂ$ – êàñàòåëüíàÿ ÿ
$ÎÀ = 2ñì, r = 1{,}5ñì$

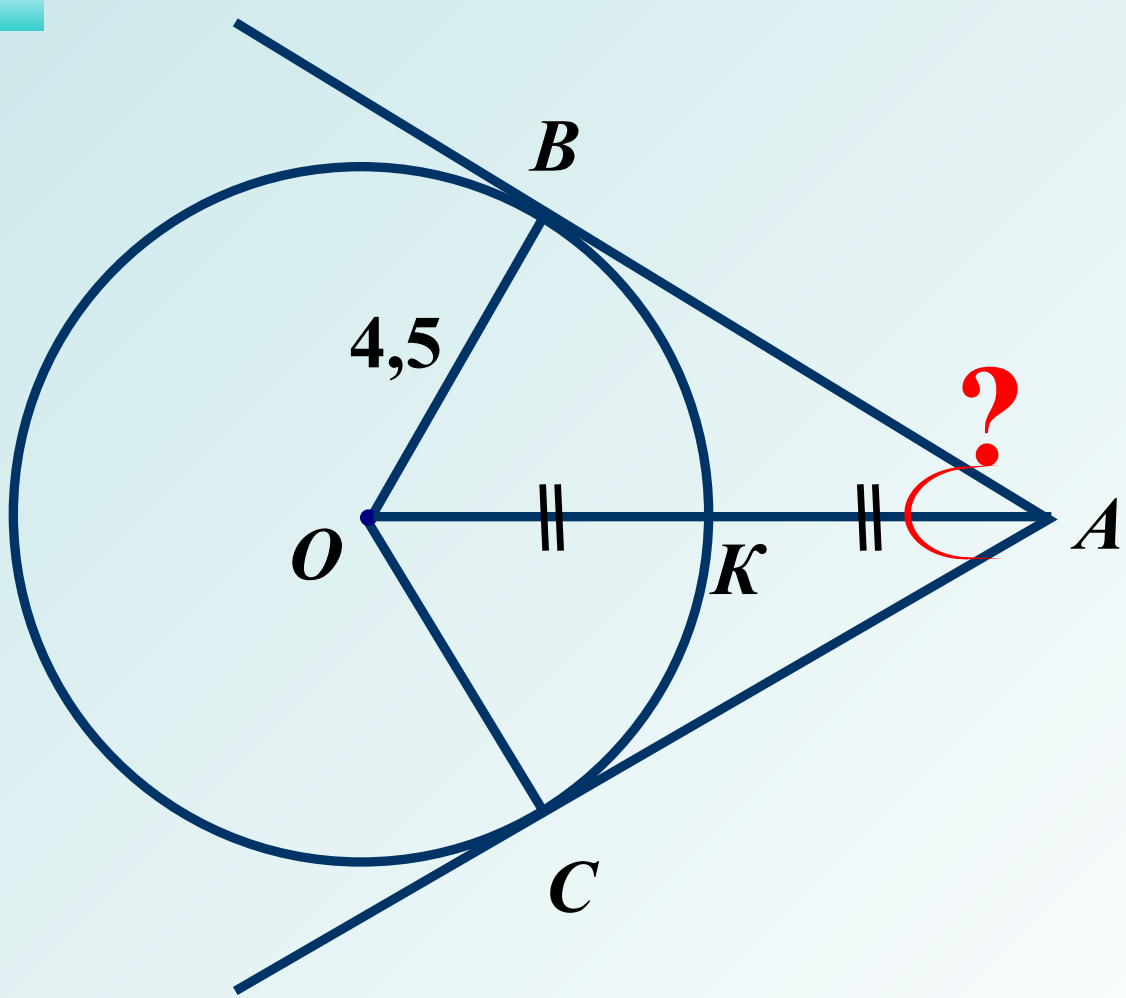
Найти: $ÀÂ$



2.

Дано: $Îêð.(Î, r)$
$ÀÂ, ÀÑ – êàñàòåëüíûå$

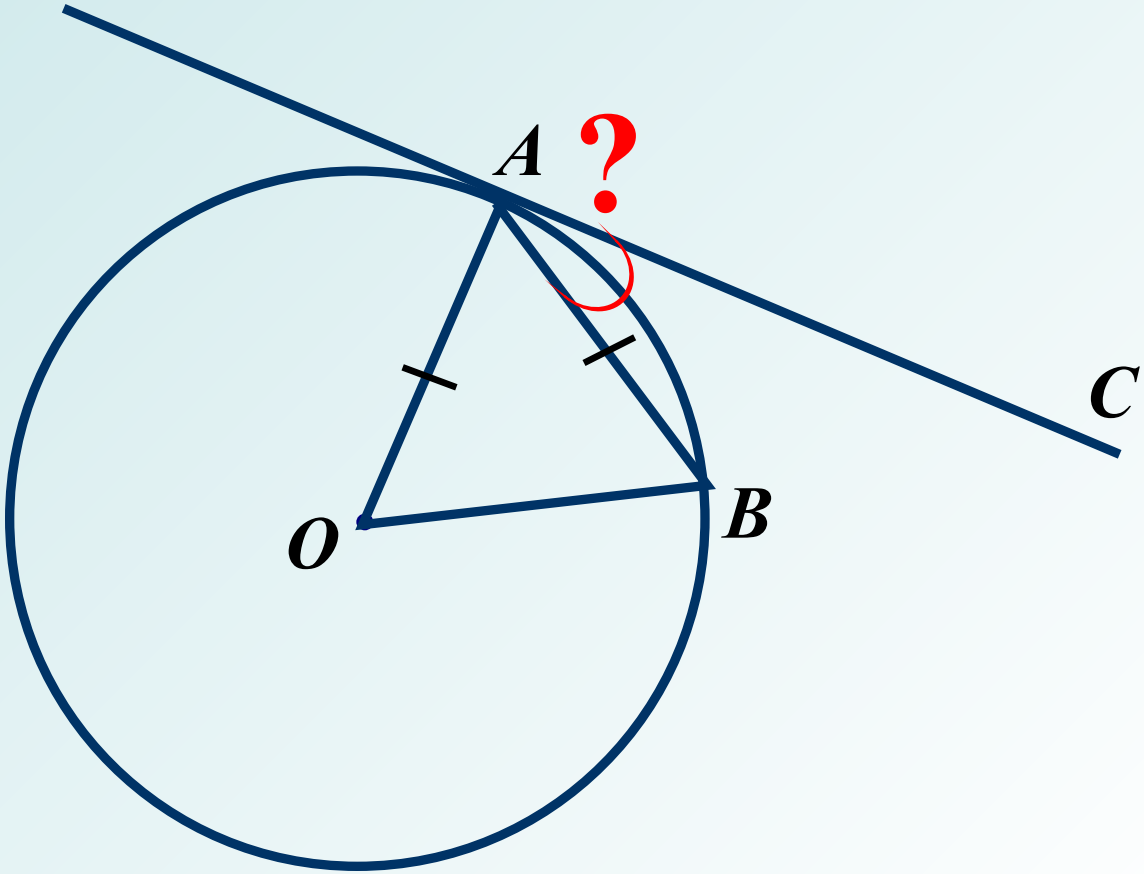
Найти: $\angle ÂÀÑ$



3.

Дано: Îêð .(Î ,ÎÀ)
ÀÑ – êàñàòåëüíà ÿ

Найти: ∠ÂÀÑ

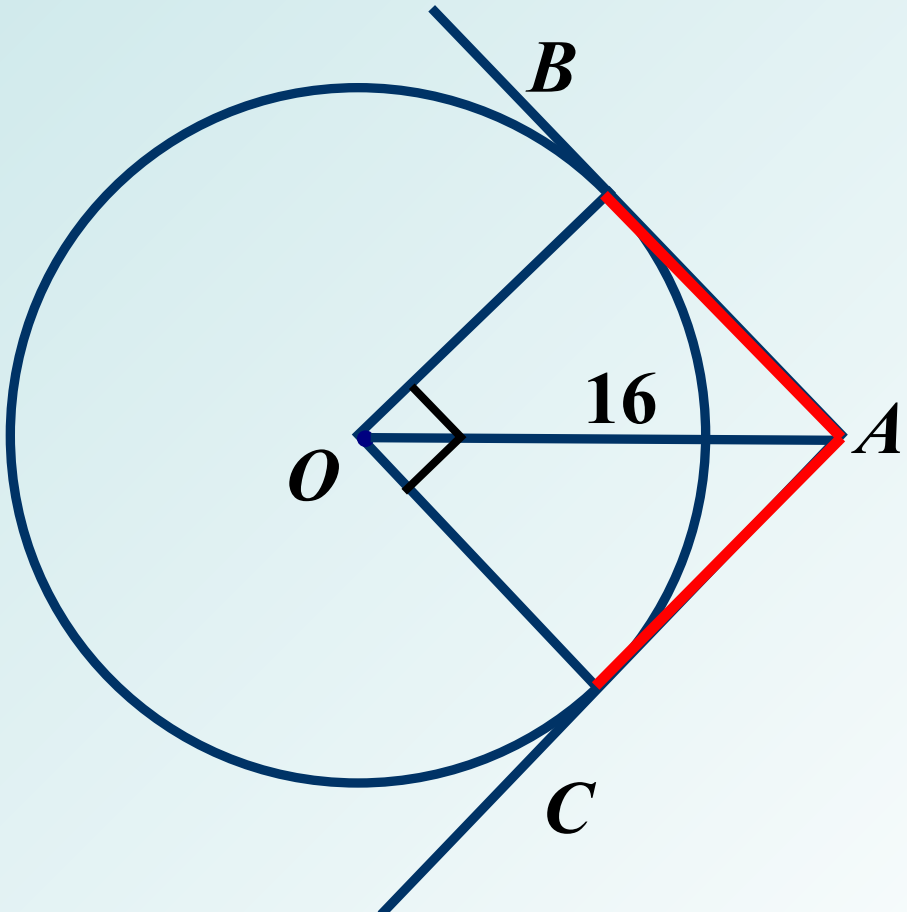


4.

Дано: $Îêð.(Î, ÎÂ), ÎÀ = 16$

$ÀÂ, ÀÑ – êàñàòåëüíûå$

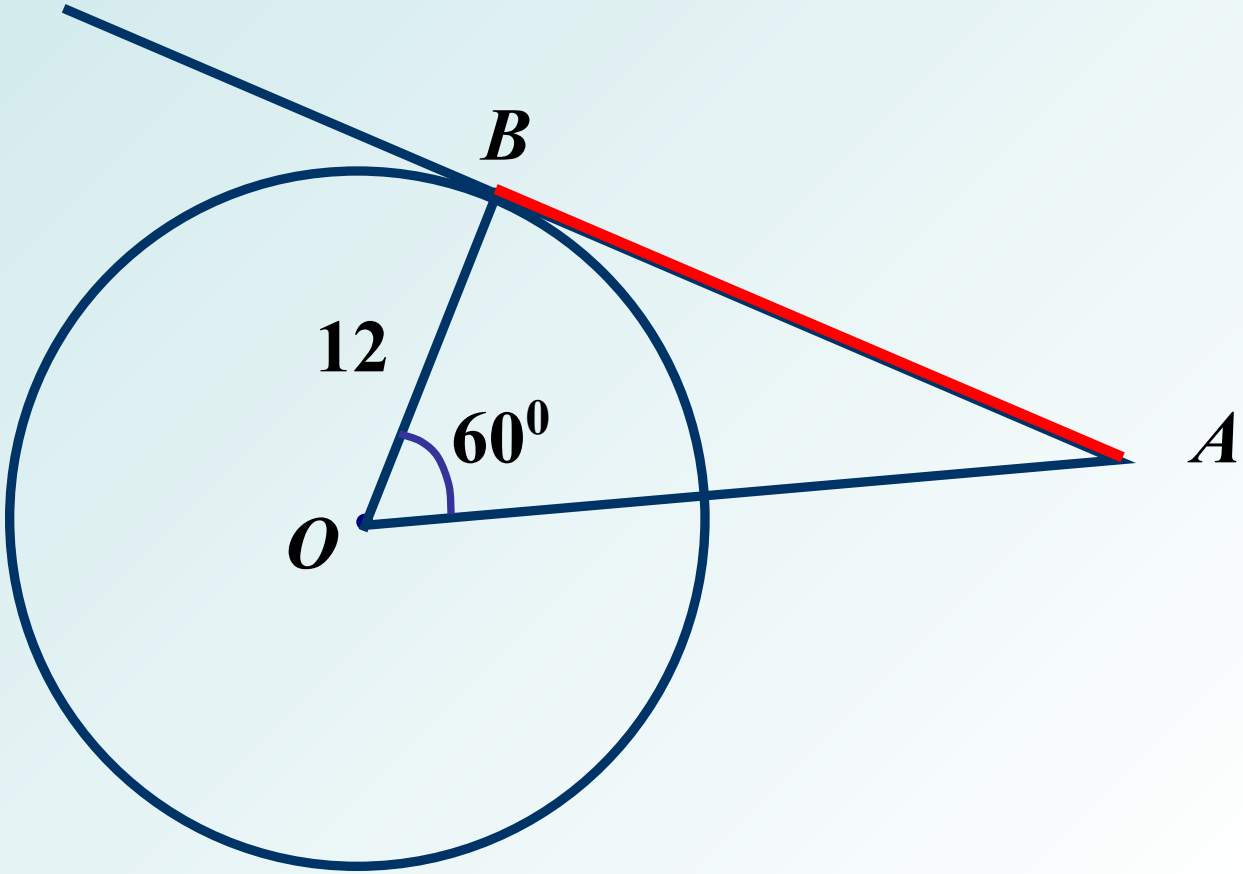
Найти: $ÀÂ, ÀÑ$



5.

Дано: $\hat{I}\hat{e}\eth\ .(\hat{I}\ ,\hat{I}\hat{A}\ ),$
$\grave{A}\hat{A} - \hat{e}\grave{a}\tilde{n}\grave{a}\grave{o}\mathring{a}\ddot{e}\ddot{u}\acute{i}\grave{a}\ \ddot{y}$

Найти: $\grave{A}\hat{A}$

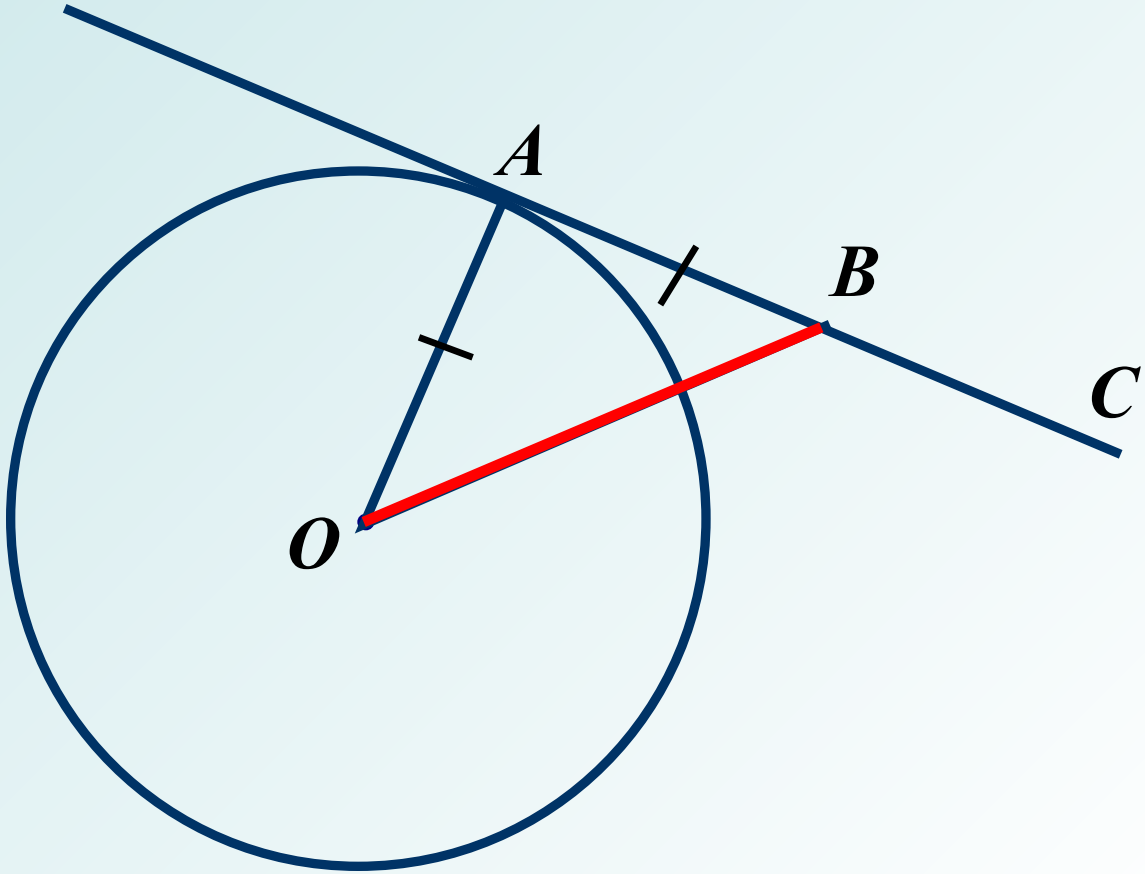


6.

Дано: $\hat{I}\hat{e}\eth\ .(\hat{I}\ , R),\ R = 5$

$\grave{A}\hat{A} - \hat{e}\grave{a}\tilde{n}\grave{a}\grave{o}\mathring{a}\ddot{e}\ddot{u}\acute{i}\grave{a}\ \ddot{y}$

Найти: $O\hat{A}$

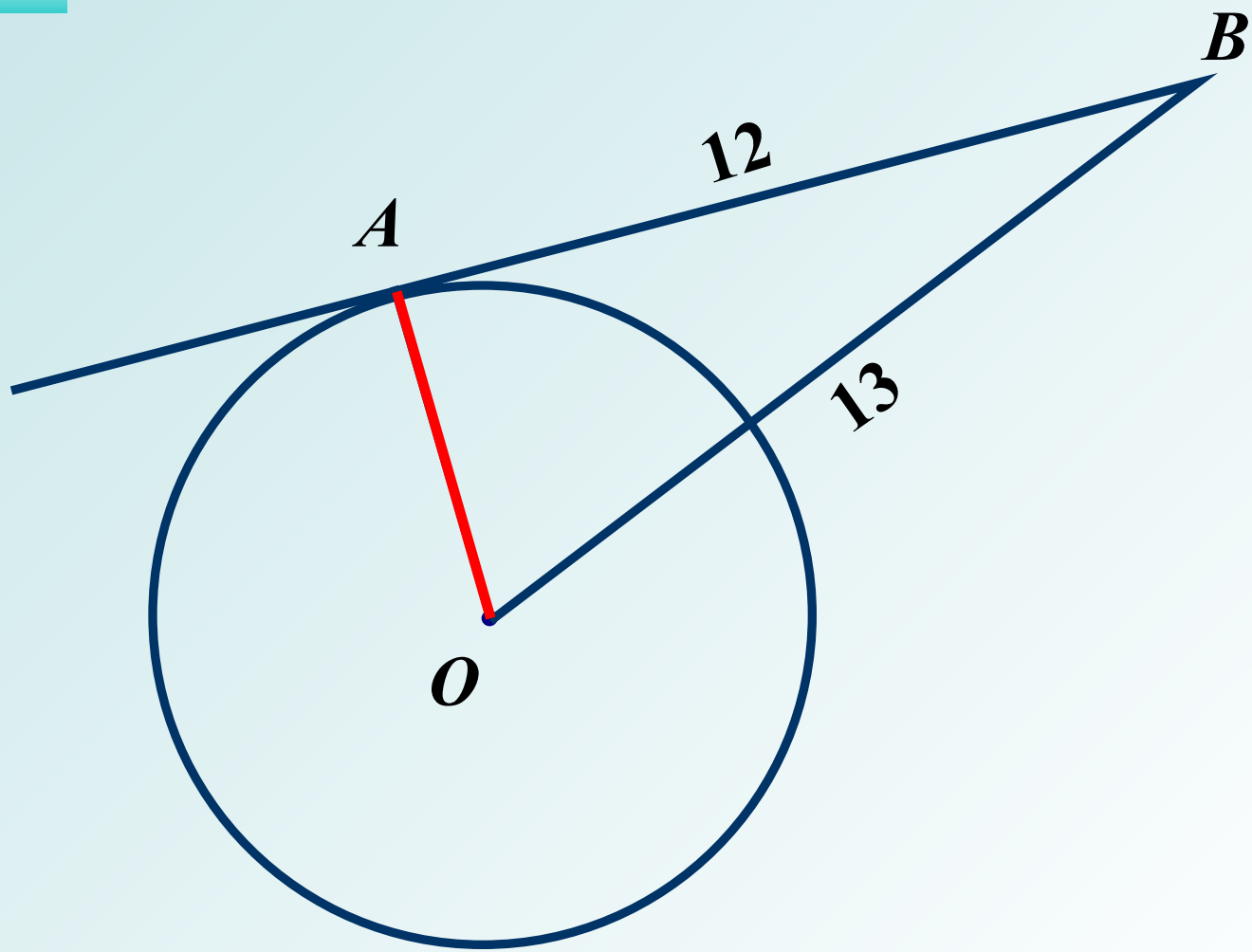


7.

Дано: Îêð .(Î , R)

ÀÂ – êàñàòåëüíà ÿ

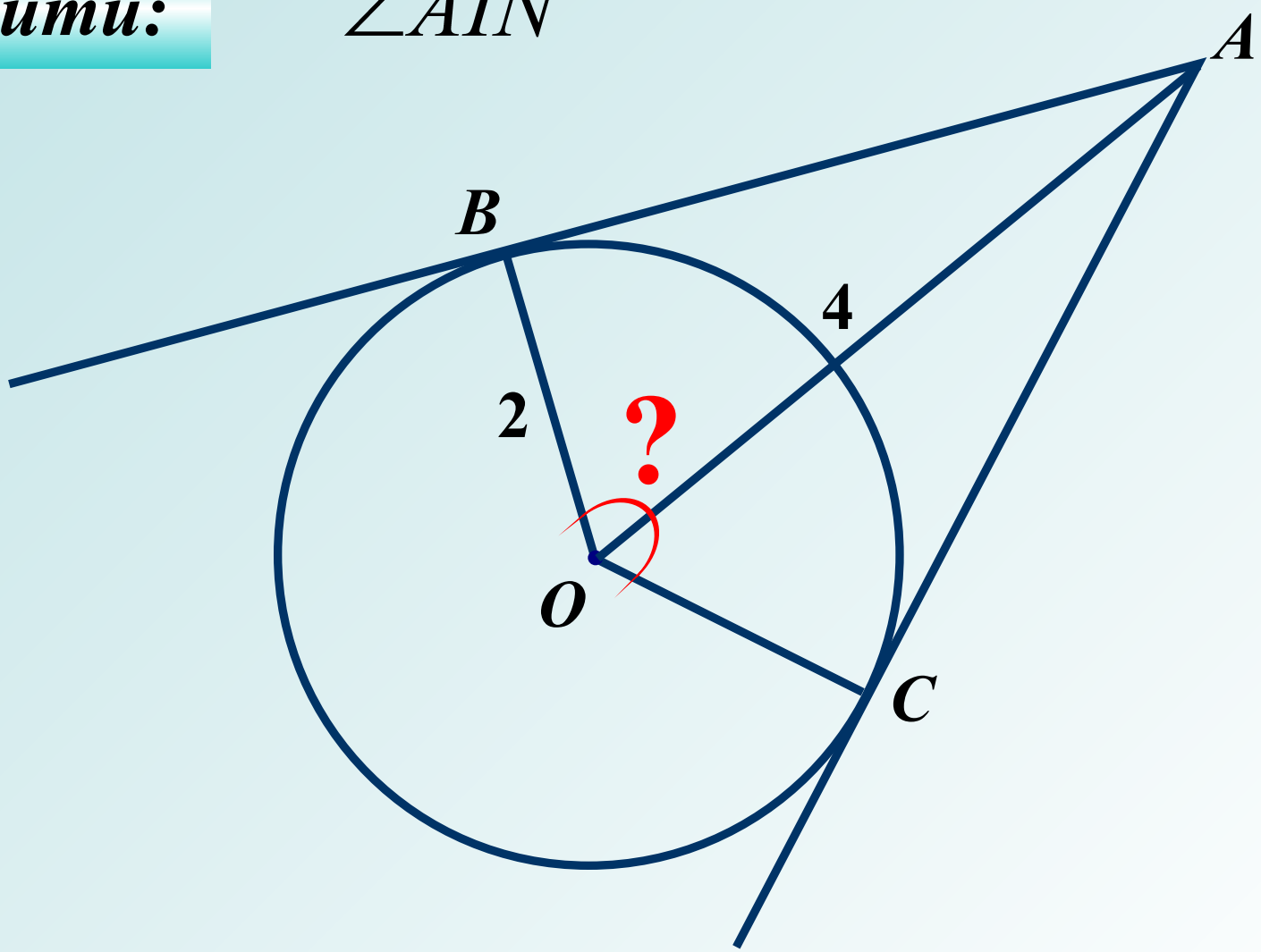
Найти: R îêðóæíîñòè



8.

Дано: Îêð .(Î , ÎÂ), ÀÂ, ÀÑ – êàñàòåëüíûå

Найти: ∠ÂÎÑ

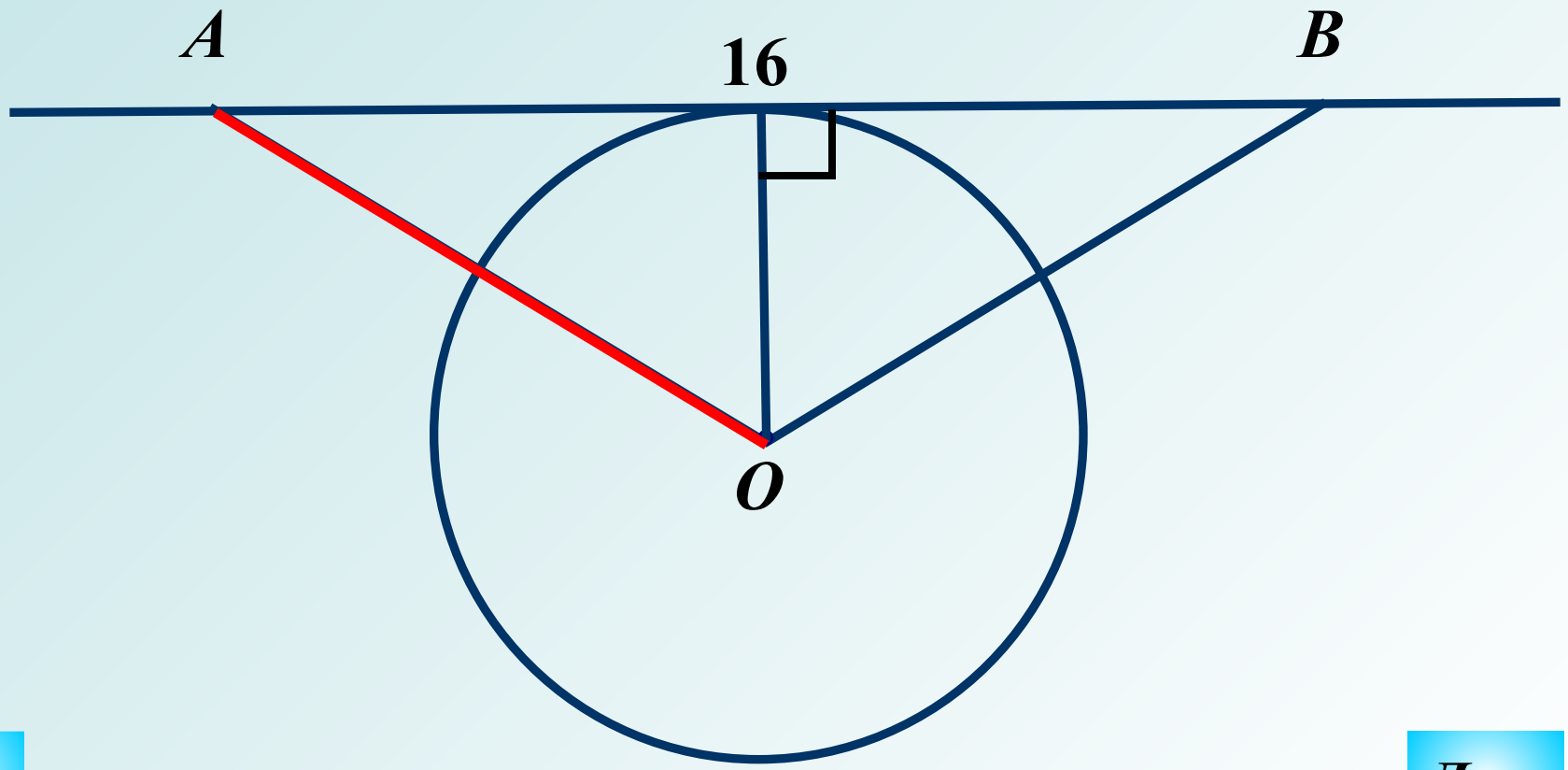


9.

Дано: $\hat{I}\hat{e}\eth\ .(\hat{I}\ , R),\ R = 6$

$\grave{A}\hat{A} - \hat{e}\grave{a}\tilde{n}\grave{a}\grave{o}\mathring{a}\ddot{e}\ddot{u}\acute{i}\grave{a}\ \ddot{y},\ \hat{I}\grave{A}\ = \hat{I}\hat{A}$

Найти: $O\grave{A}$

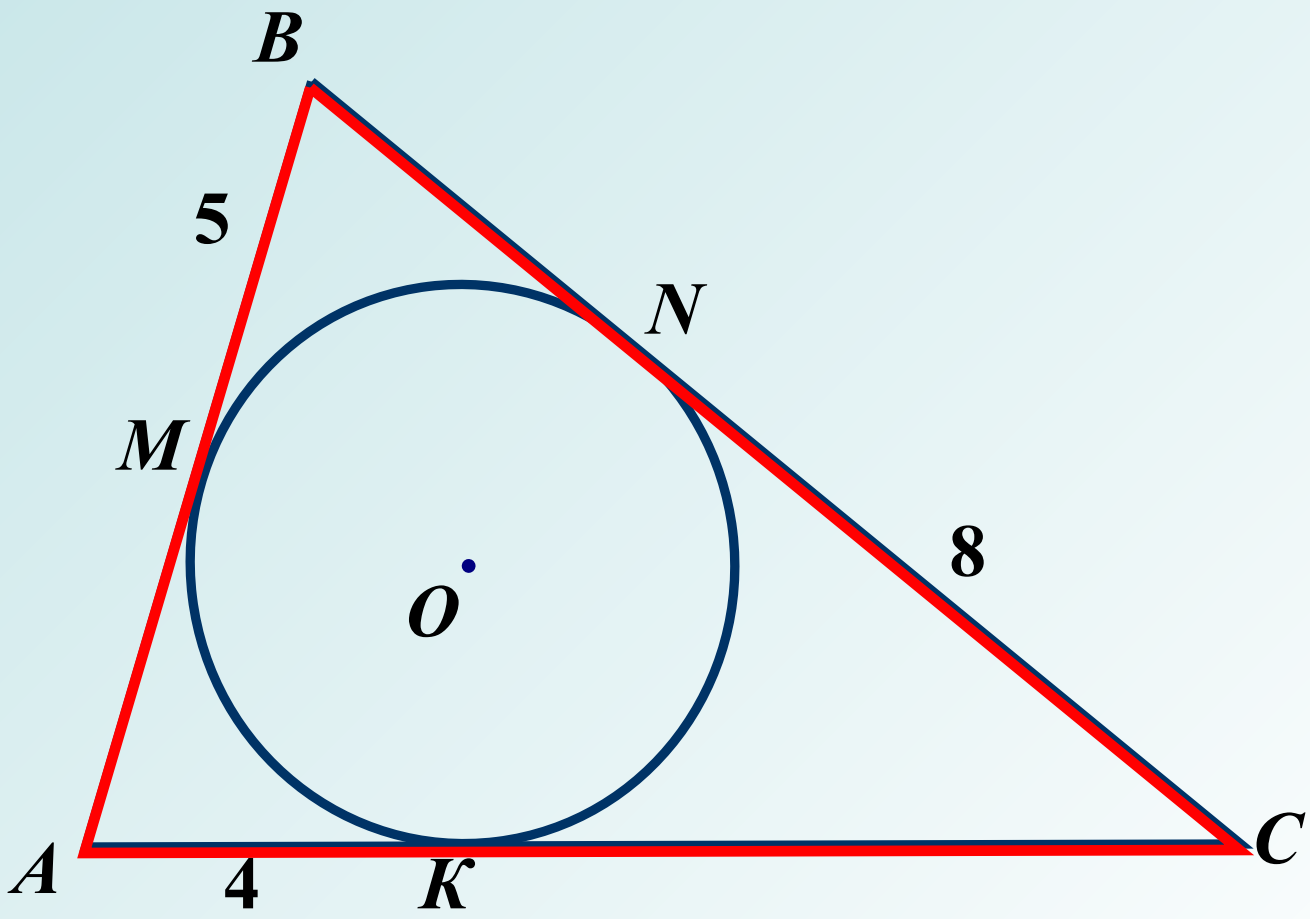


Доп.

10.

Дано: $Ì\ ,N,K-$ òî÷êè êàñàíèÿ

Найти: P_{ABC}

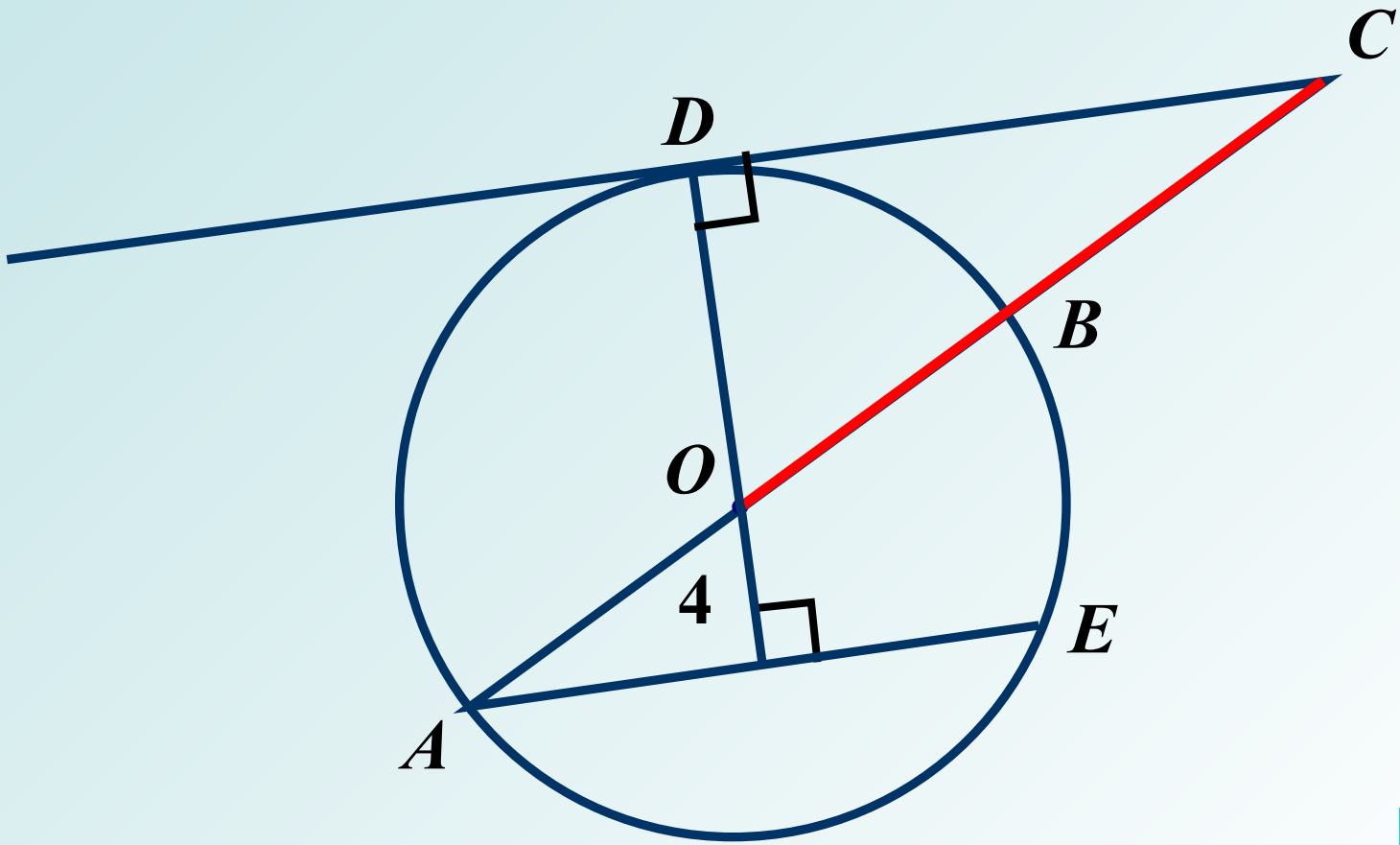


11.

Дано: $Îêð\ .(Î\ ,ÎÀ\ ),\ ÀÂ = 10$

$CD - êàñàòåëüíà ÿ,\ ÀE \perp CD$

Найти: OC



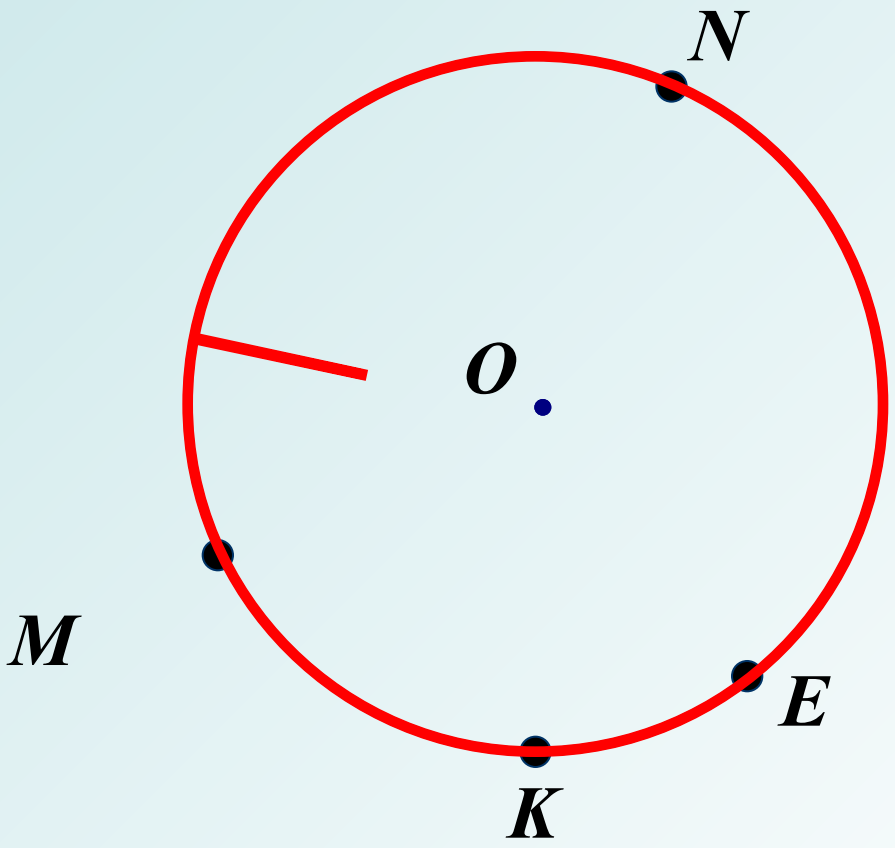
Доп.

12.

Дано: $Îêð\ .(Î\ ,R)$

$\cup ÌÊÅ\ < \cup MNE$ â 2 ðàçà

Найти: $\cup ÌÊÅ\ ,\ \cup MNE$

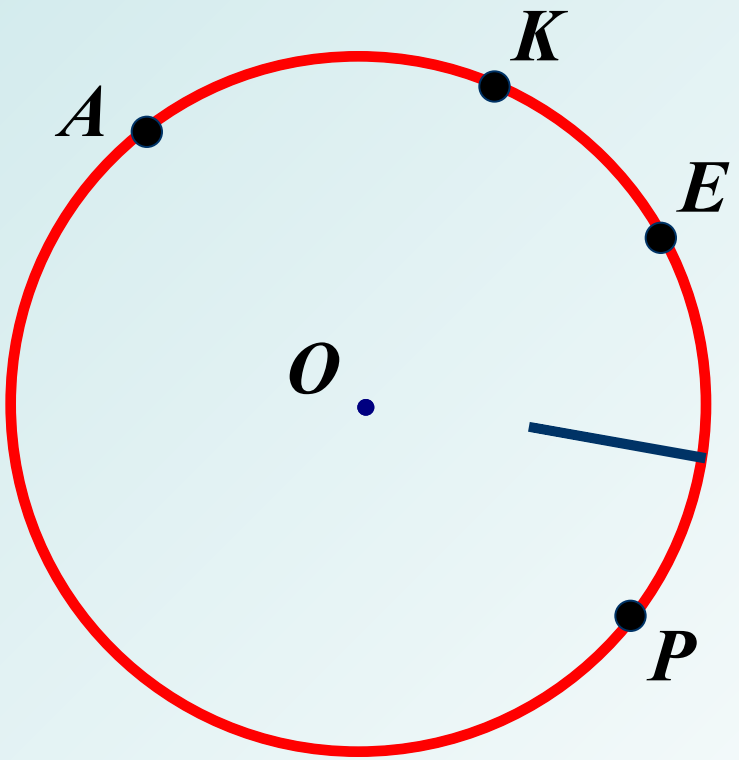


13.

Дано: $Îêð\ .(Î\ ,R)$

$\cup ÀÊÅ < \cup ÀÐE$ íà 140^0

Найти: $\cup ÀÐE$

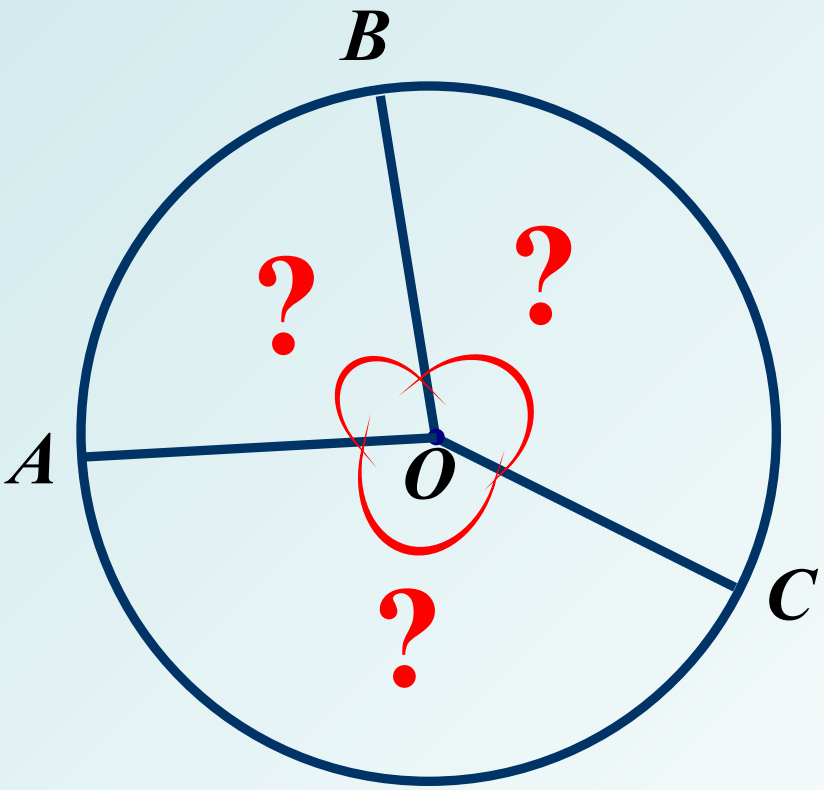


14.

Дано: $Îêð\ .(Î\ ,R)$

$$\cup ÀÂ : \cup ÂÑ : \cup ÀÑ = 2:3:4$$

Найти: $\angle ÀÎÂ\ , \angle ÂÎÑ\ , \angle ÀÎÑ$

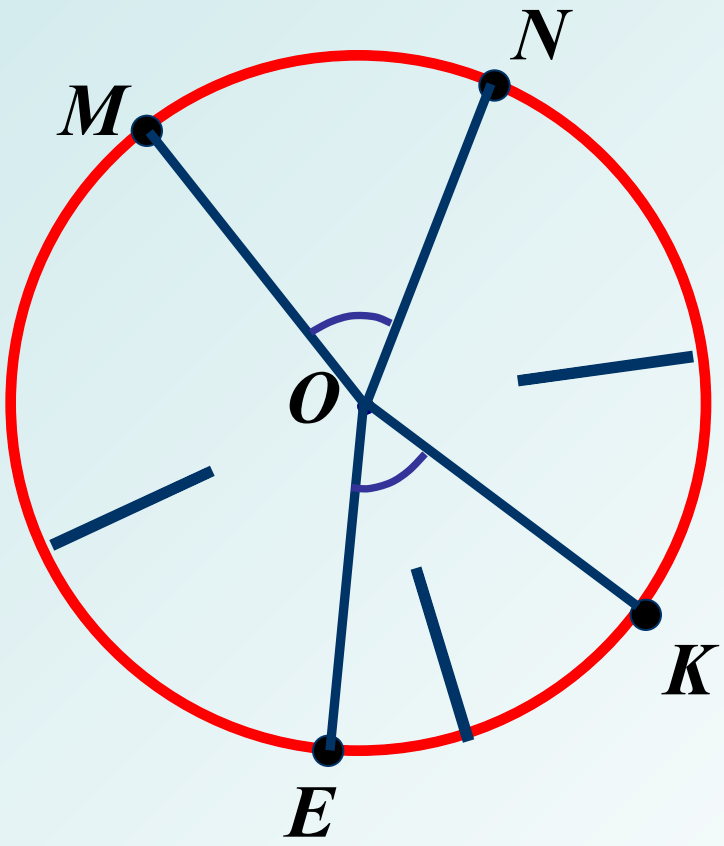


15.

Дано: $Îêð\ .(Î\ ,R)$

$$\angle ÌÎN\ :\angle NÎK\ :\angle MÎE\ =3:4:5$$

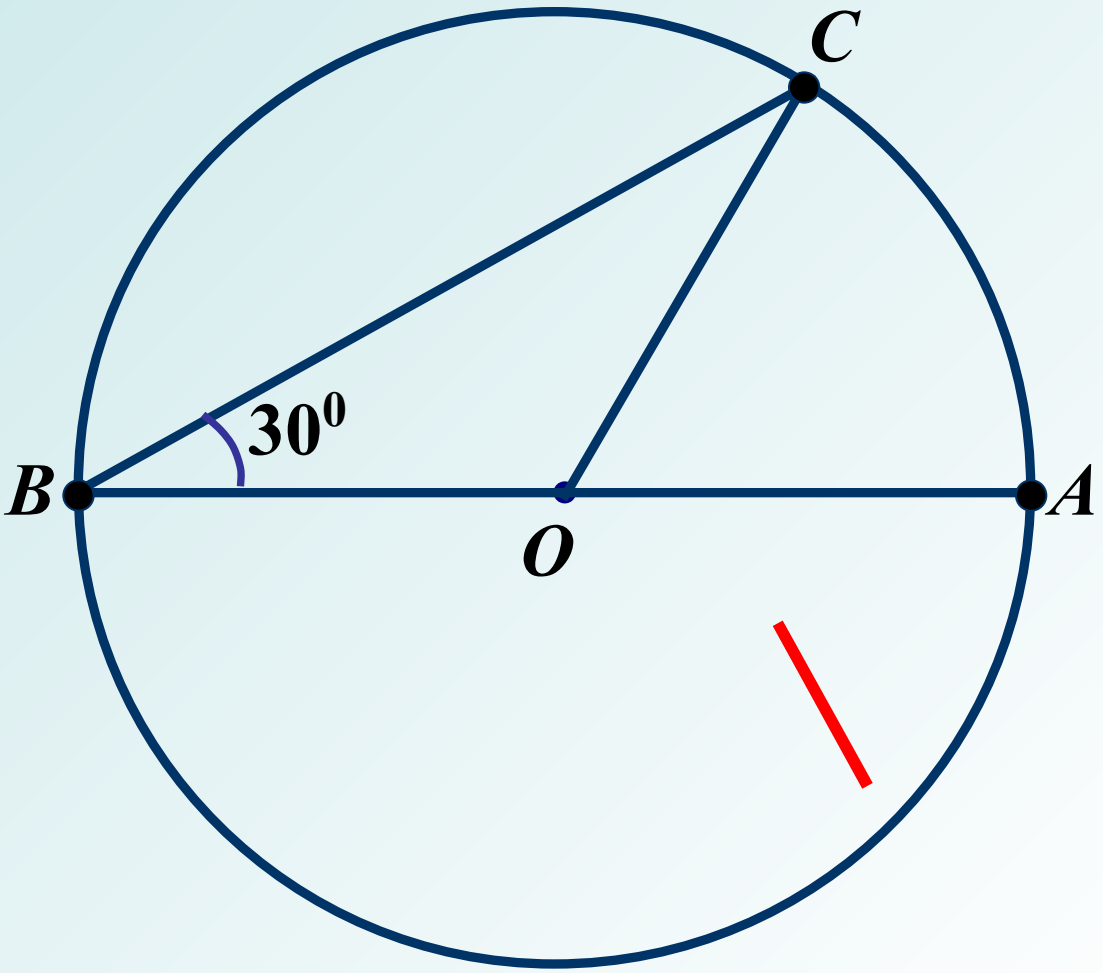
Найти: $\cup ÌÅ\ ,\cup NK,\cup KE$



16.

Дано: $\hat{I}\hat{e}\eth\ .(\hat{I}\ ,R)$

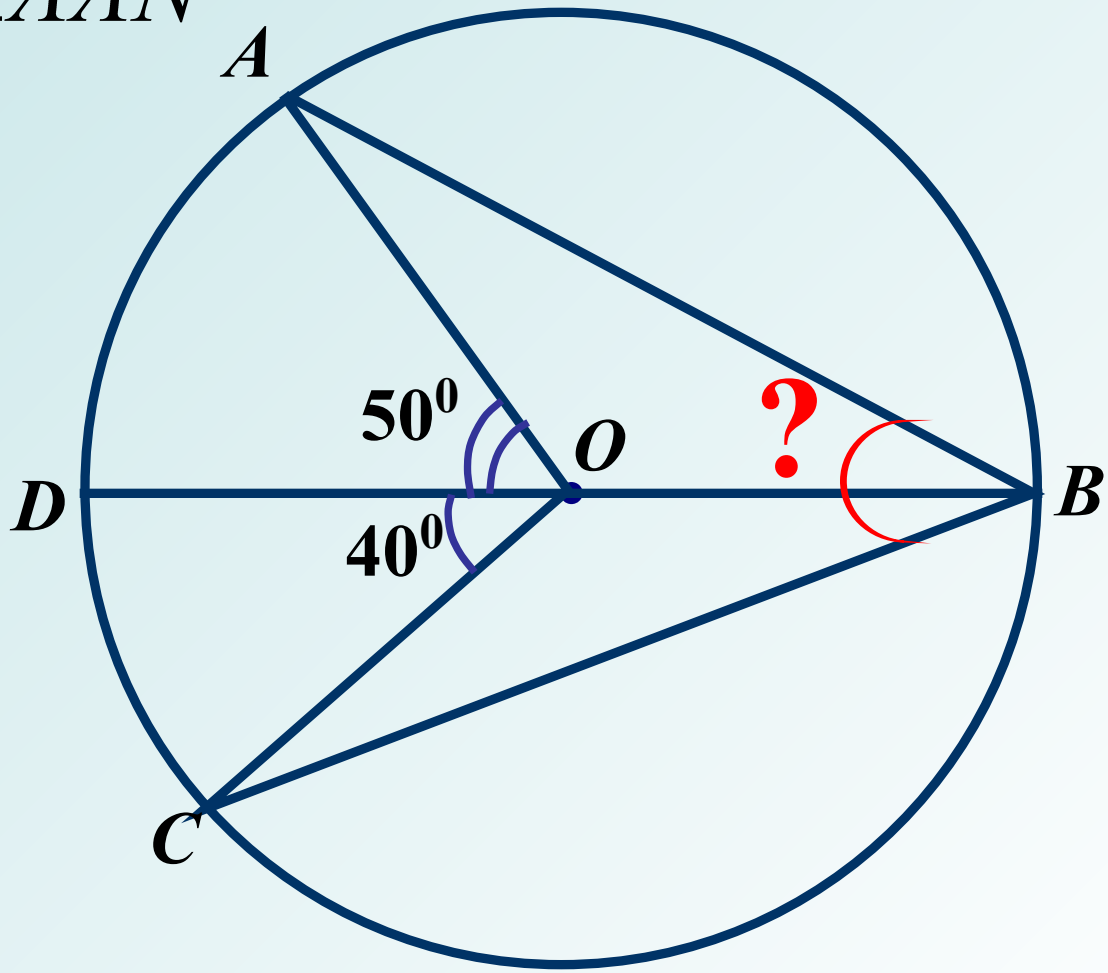
Найти: $\cup\ \grave{A}\tilde{N}$



17.

Дано: $\hat{I}\hat{e}\eth\ .(\hat{I}\ ,R)$

Найти: $\angle \grave{A}\hat{A}\tilde{N}$

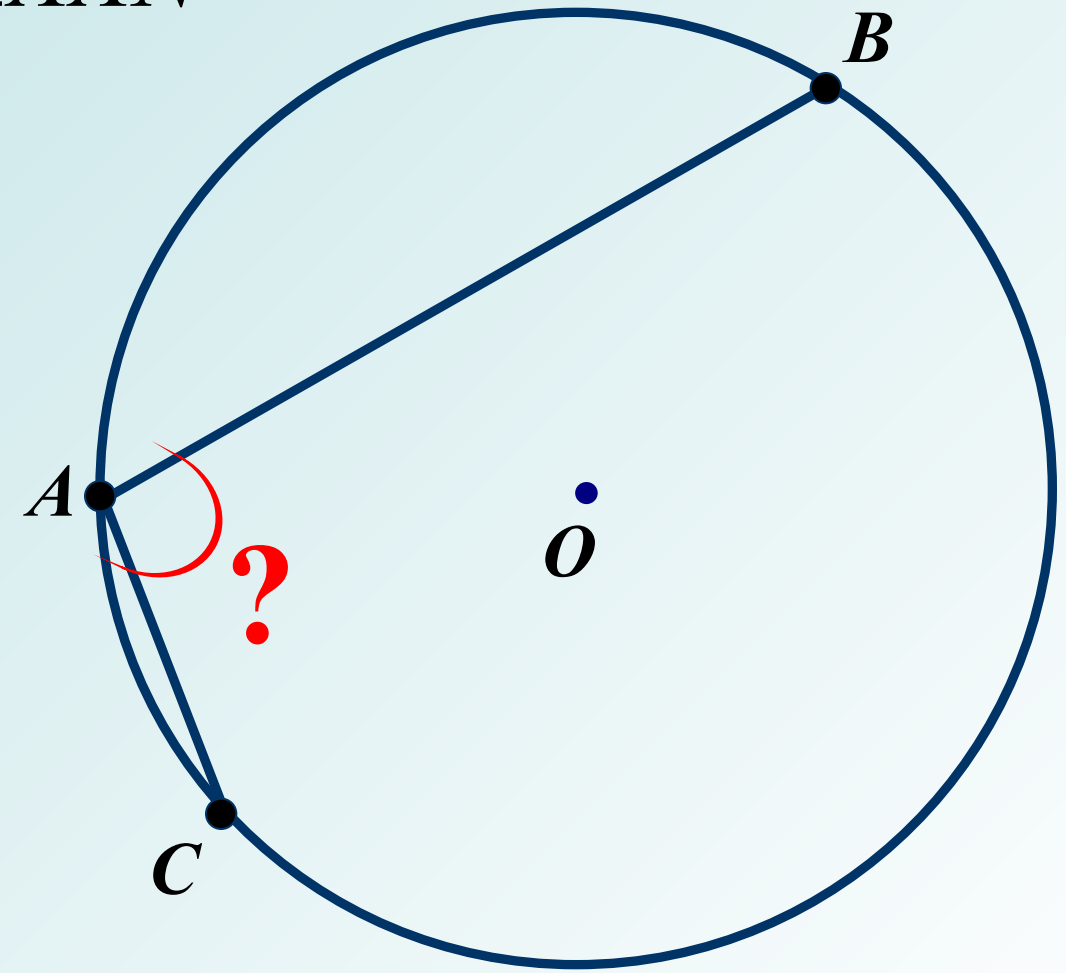


18.

Дано: $\hat{I}\hat{e}\eth\ .(\hat{I}\ ,R)$

$\cup \grave{A}\tilde{N} = 43^0, \cup \grave{A}\hat{A} = 115^0$

Найти: $\angle \hat{A}\grave{A}\tilde{N}$

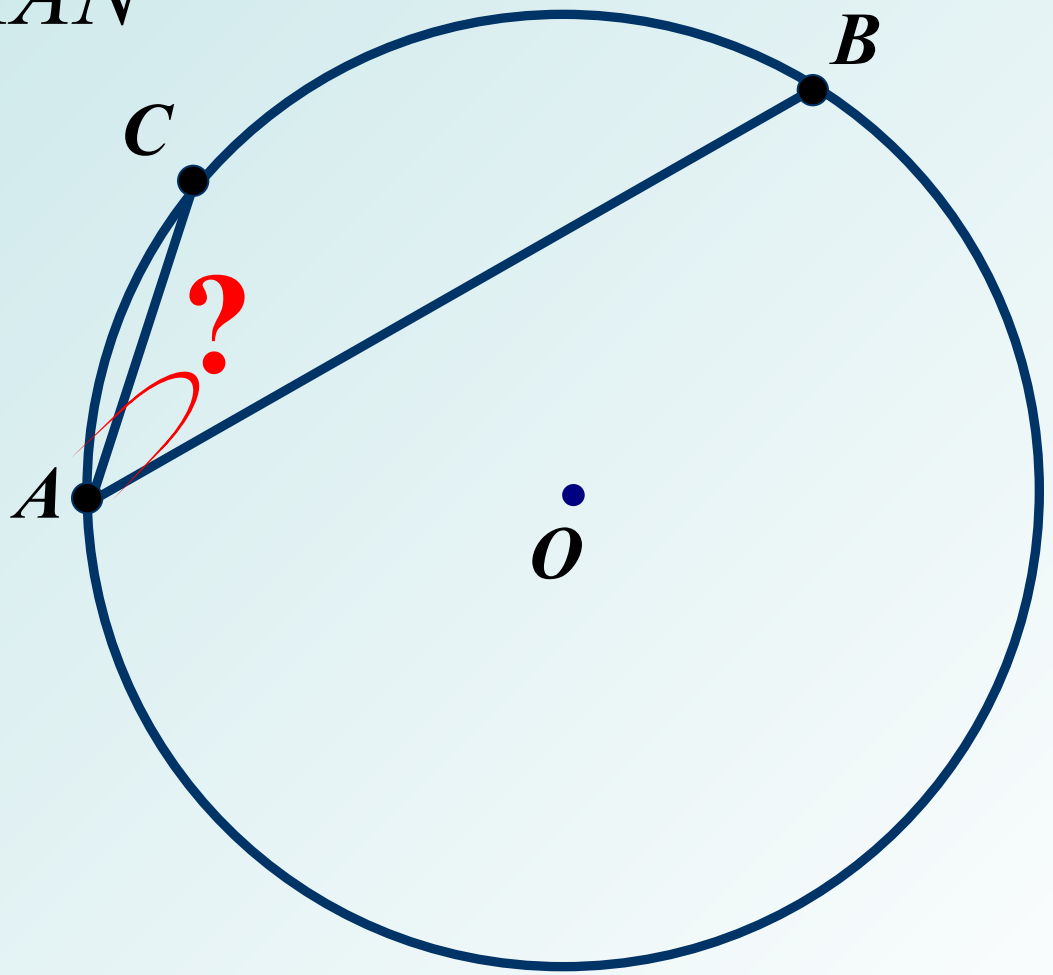


19.

Дано: $\hat{I}\hat{e}\eth\ .(\hat{I}\ , R)$

$\cup \grave{A}\tilde{N} = 43^0, \cup \grave{A}\hat{A} = 115^0$

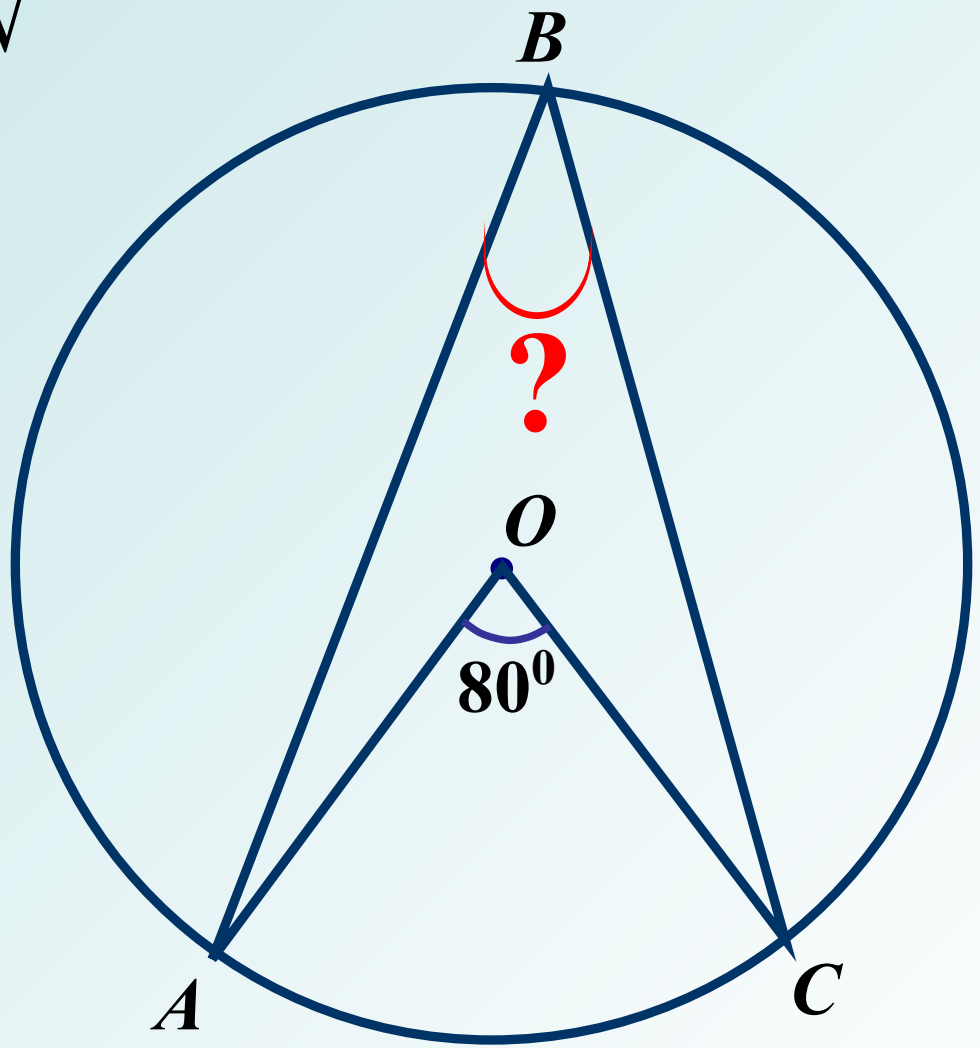
Найти: $\angle\hat{A}\grave{A}\tilde{N}$



20.

Дано: $Îêð\ .(Î\ , R)$

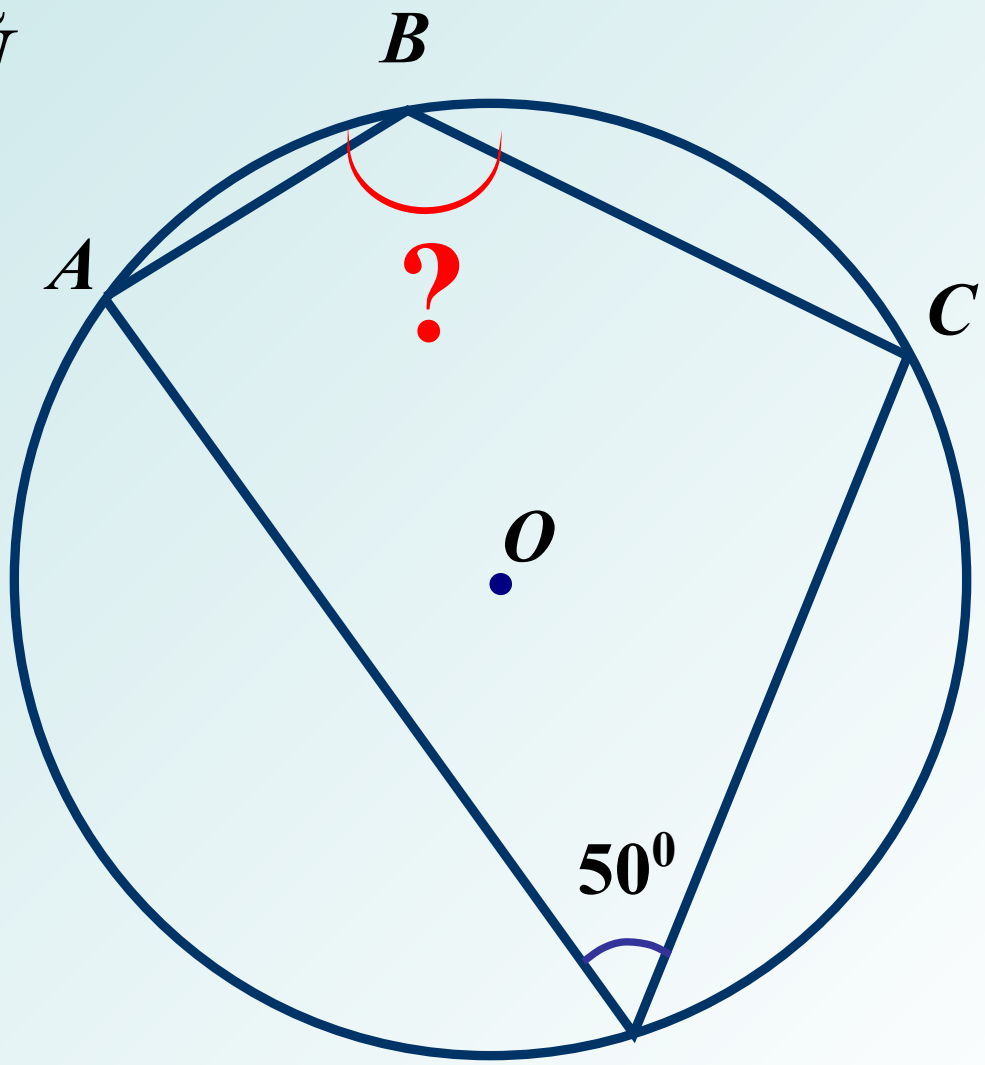
Найти: $\angle ÀÂÑ$



21.

Дано: $\hat{I}\hat{e}\eth\ .(\hat{I}\ , R)$

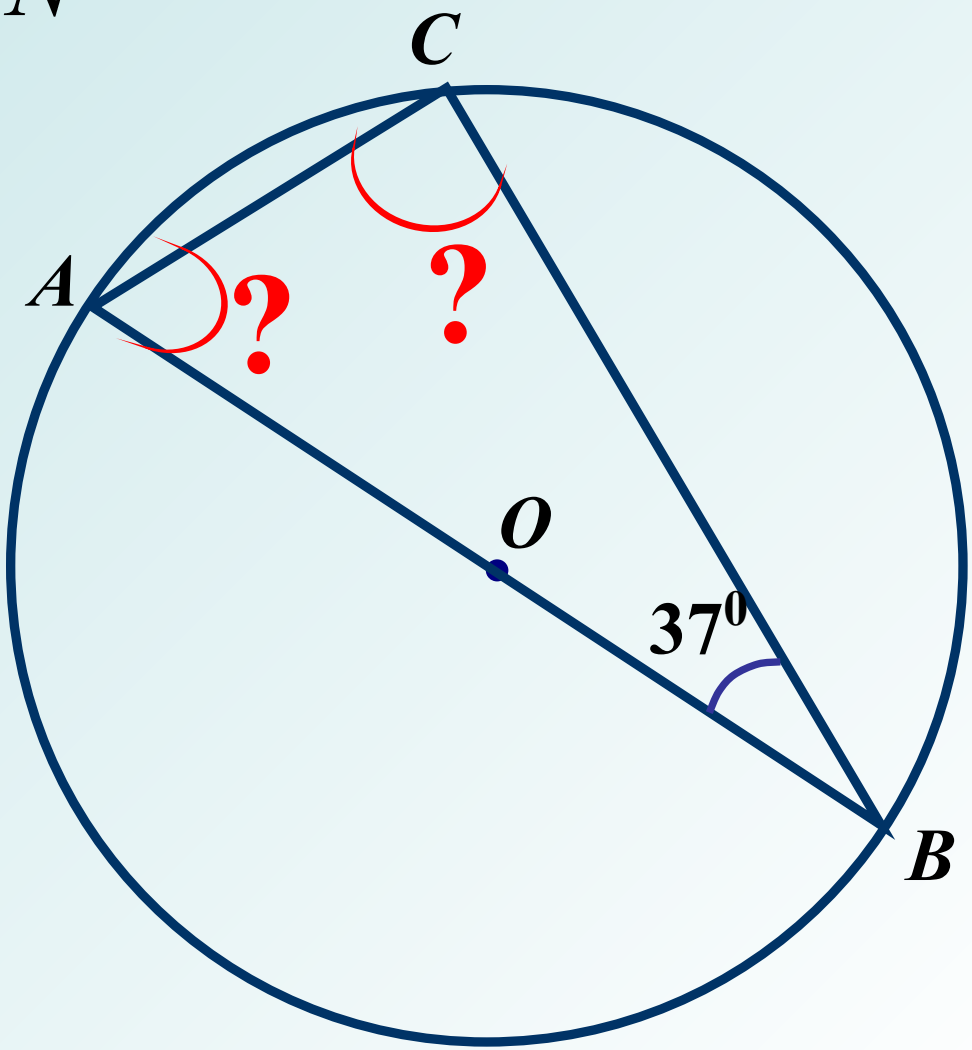
Найти: $\angle \grave{A}\hat{A}\tilde{N}$



22.

Дано: $\hat{I}\hat{e}\eth\ .(\hat{I}\ , R)$

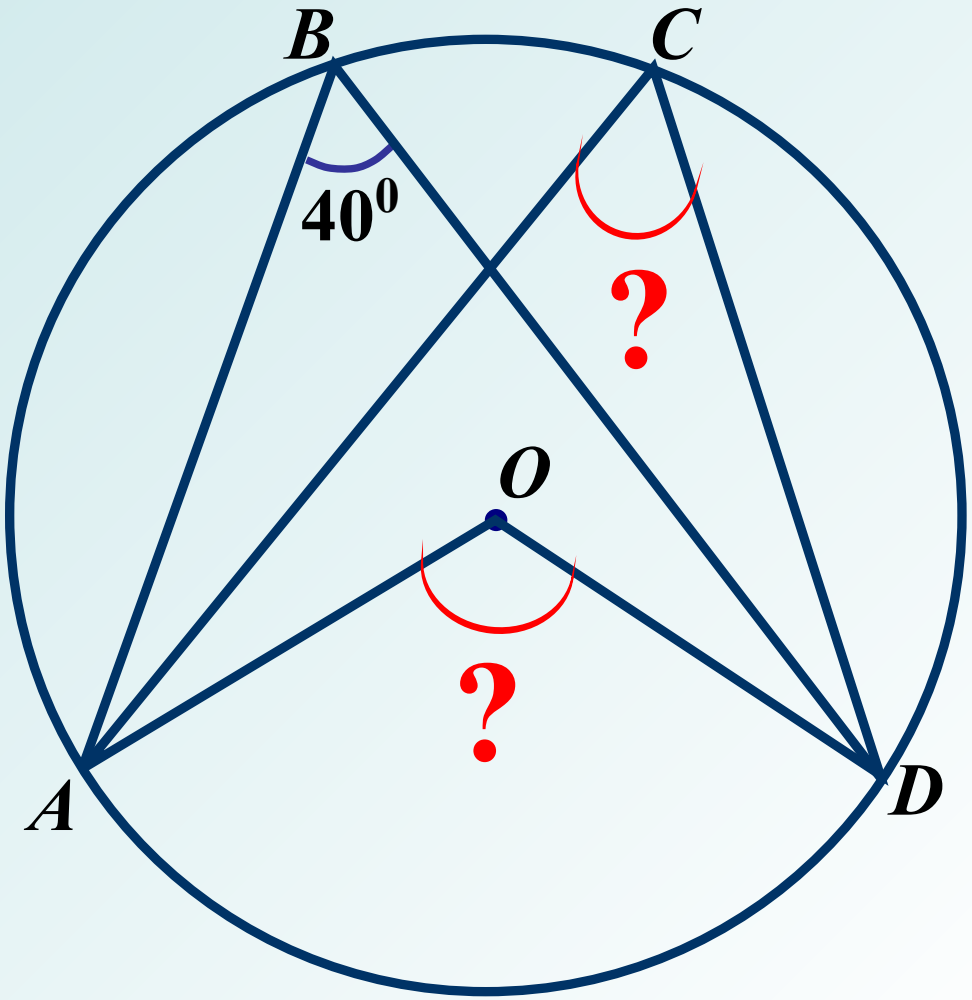
Найти: $\angle \grave{A},\ \angle \tilde{N}$



23.

Дано: $Îêð\ .(Î\ ,R)$

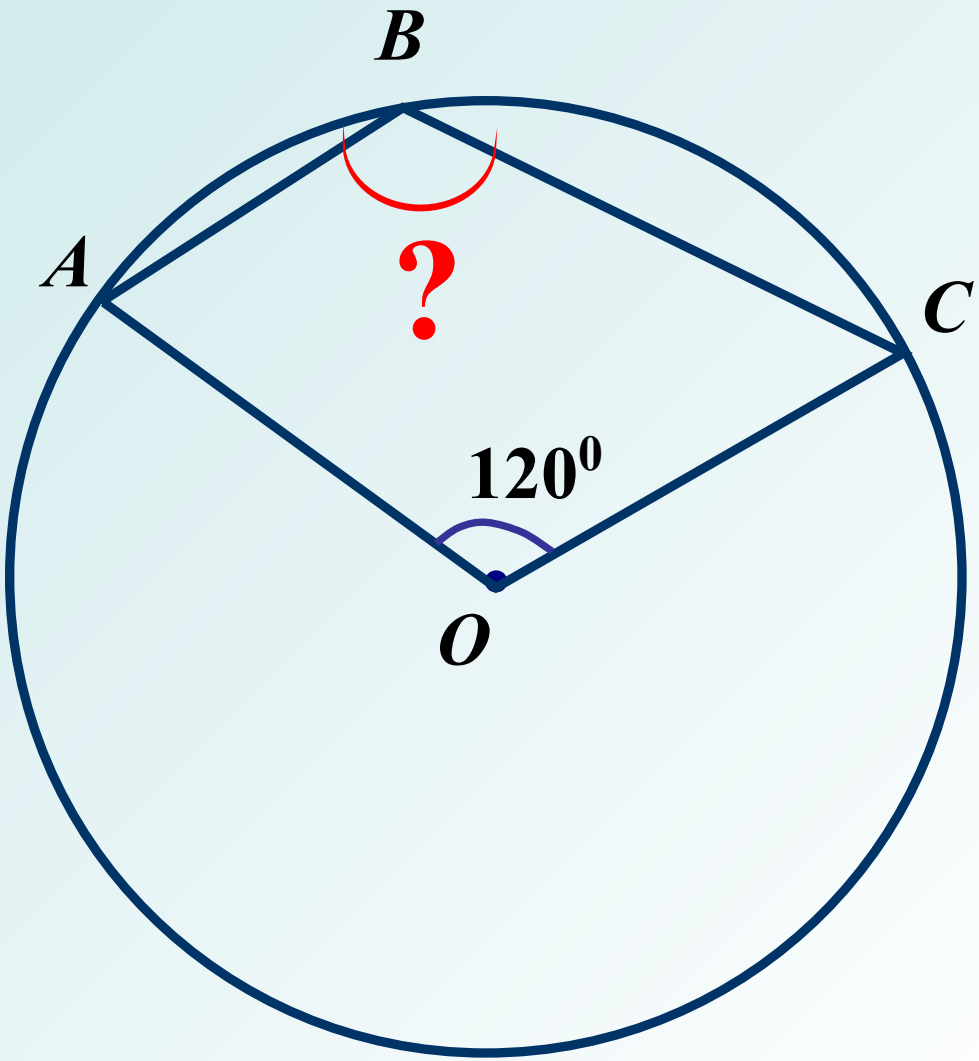
Найти: $\angle ÀOD,\ \angle AÑD$



24.

Дано: $\hat{I}\hat{e}\eth\ .(\hat{I}\ ,R)$

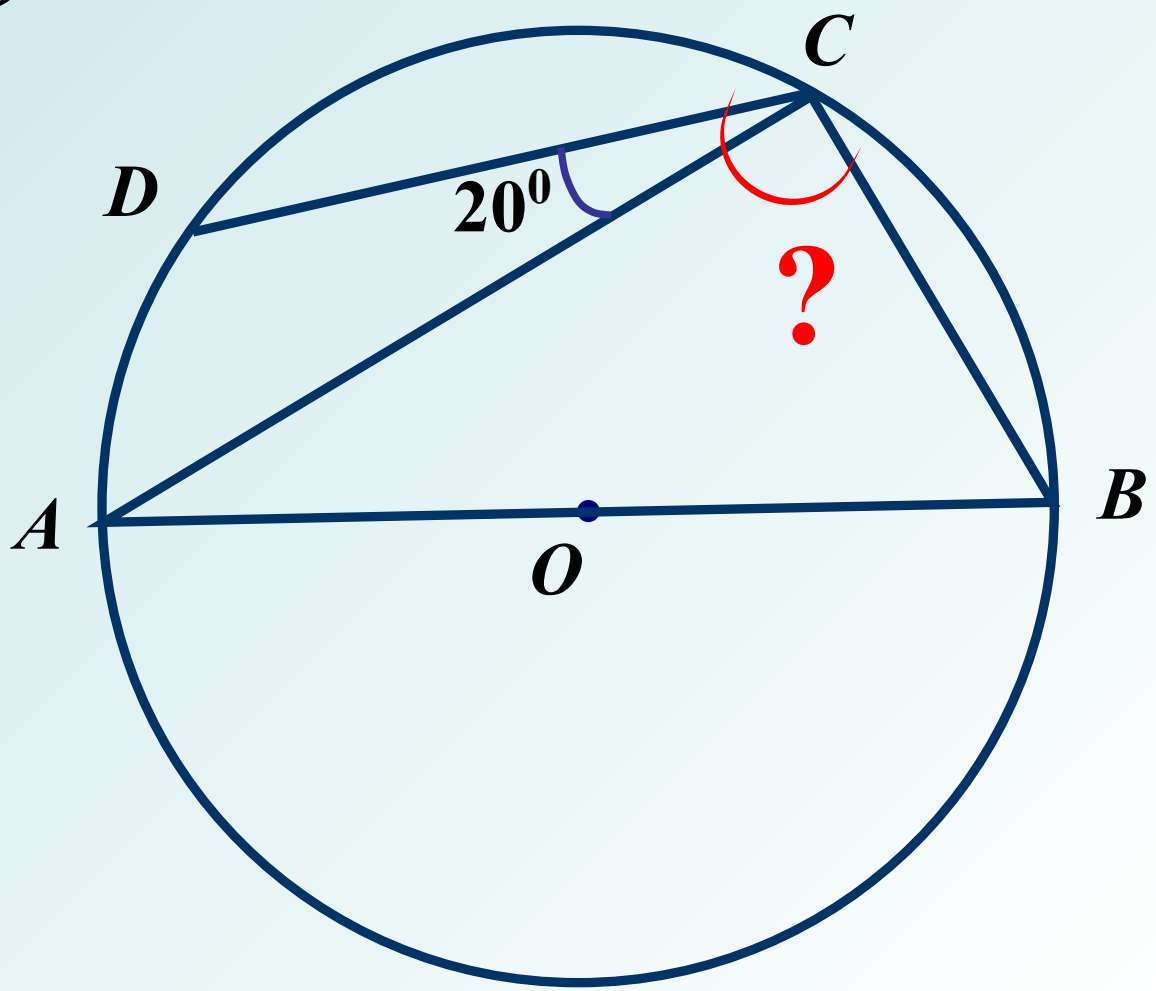
Найти: $\angle\grave{A}\hat{A}\tilde{N}$



25.

Дано: $\hat{I}\hat{e}\eth\ .(\hat{I}\ , R)$

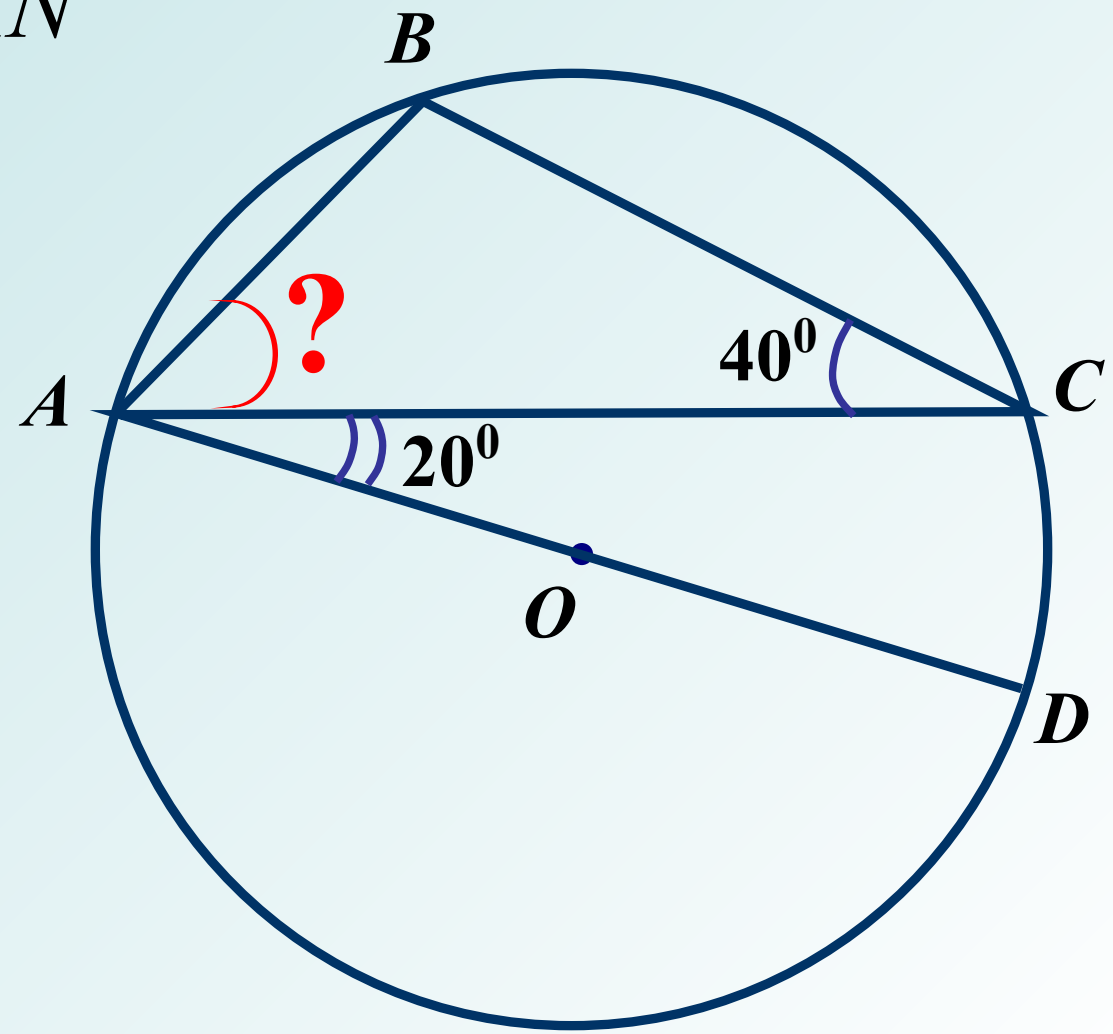
Найти: $\angle \hat{A}\tilde{N}D$



26.

Дано: $\hat{I}\hat{e}\eth\ .(\hat{I}\ ,R)$

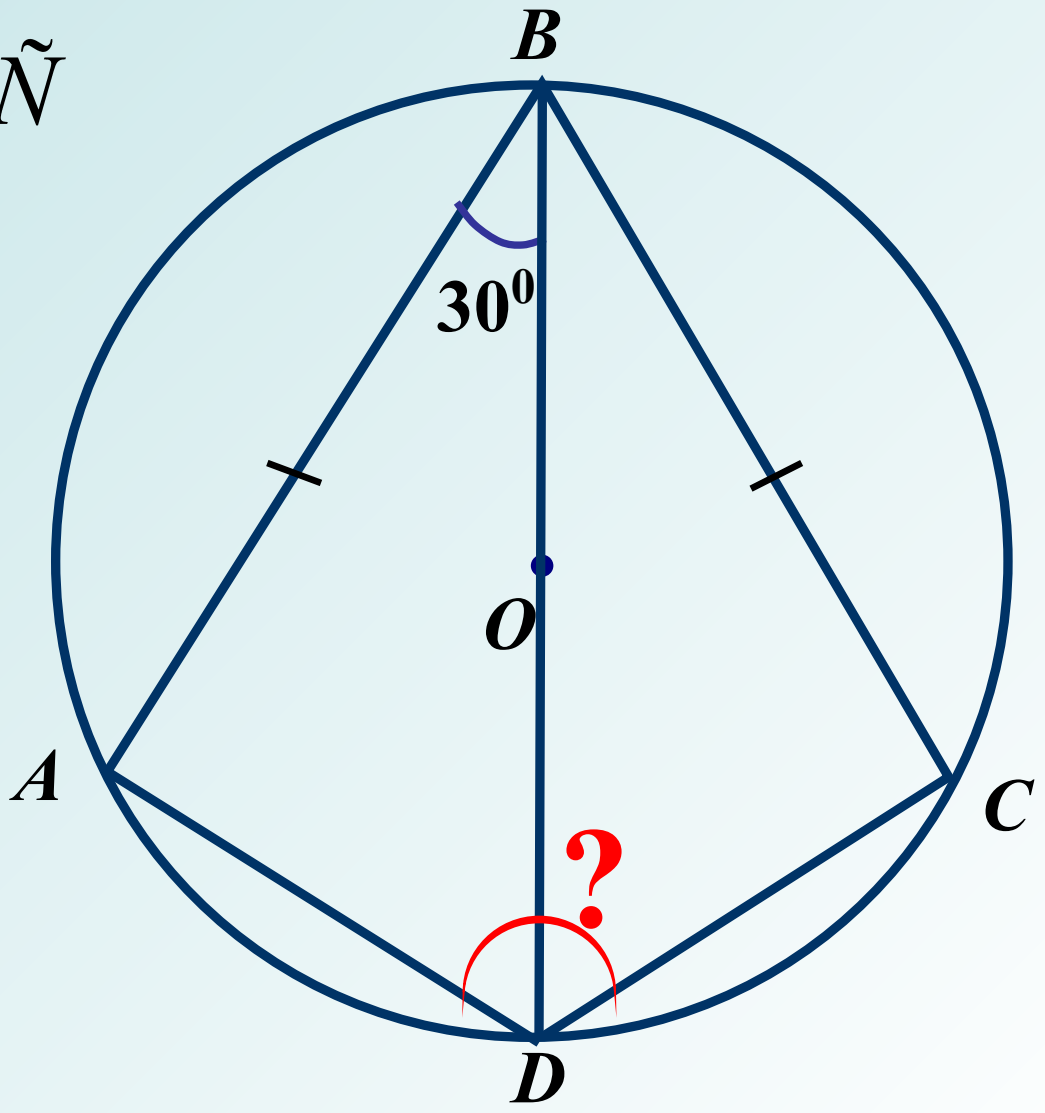
Найти: $\angle\hat{A}A\tilde{N}$



27.

Дано: $\hat{I}\hat{e}\eth\ .(\hat{I}\ ,R)$

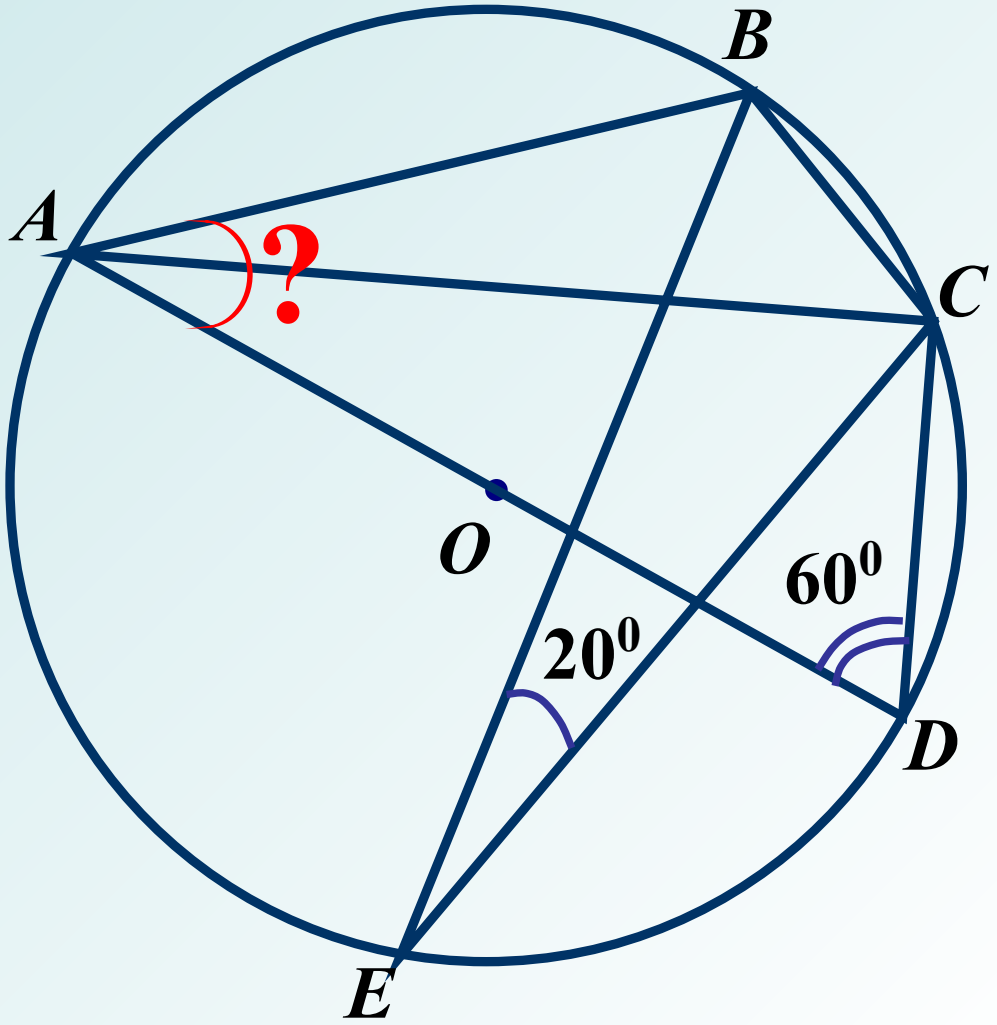
Найти: $\angle AD\tilde{N}$



28.

Дано: $\hat{I}\hat{e}\eth\ .(\hat{I}\ , R)$

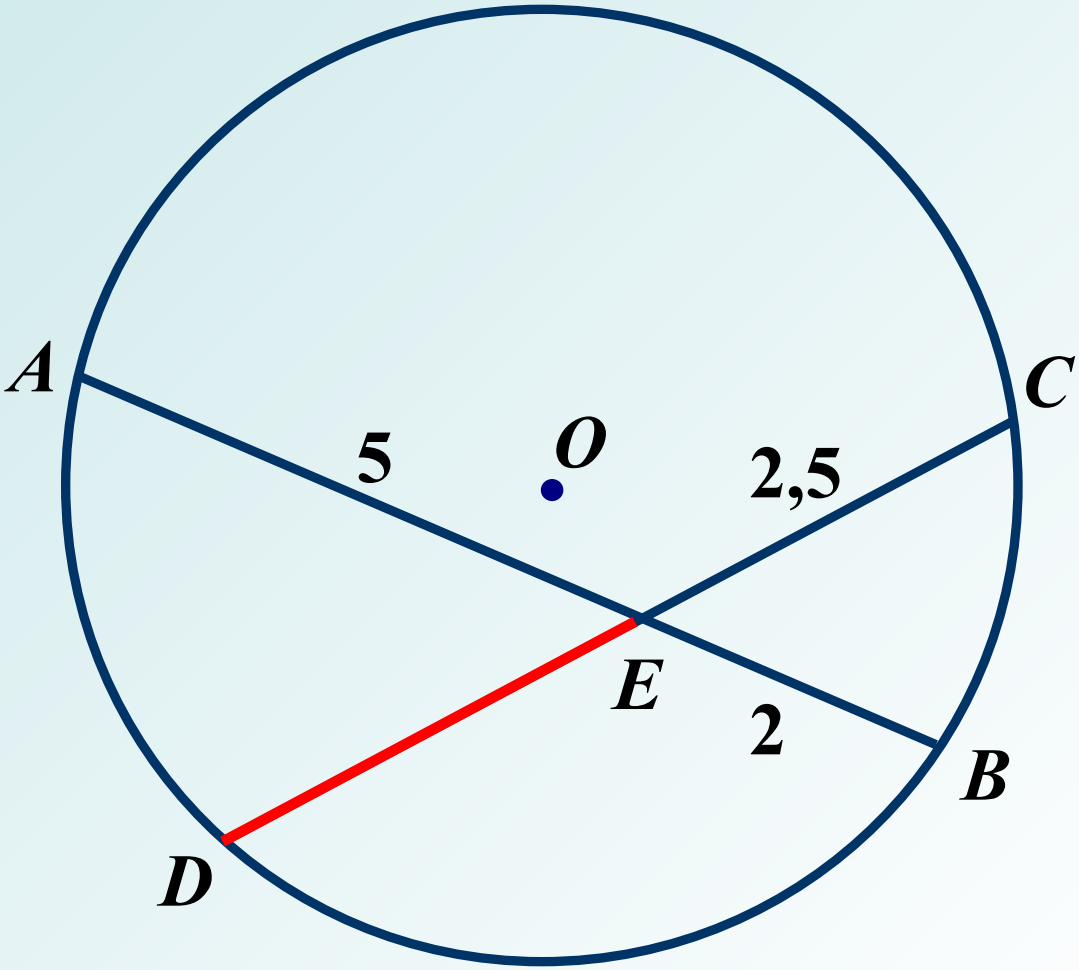
Найти: $\angle BAD$



29.

Дано: $\hat{I}\hat{e}\eth\ .(\hat{I}\ , R)$

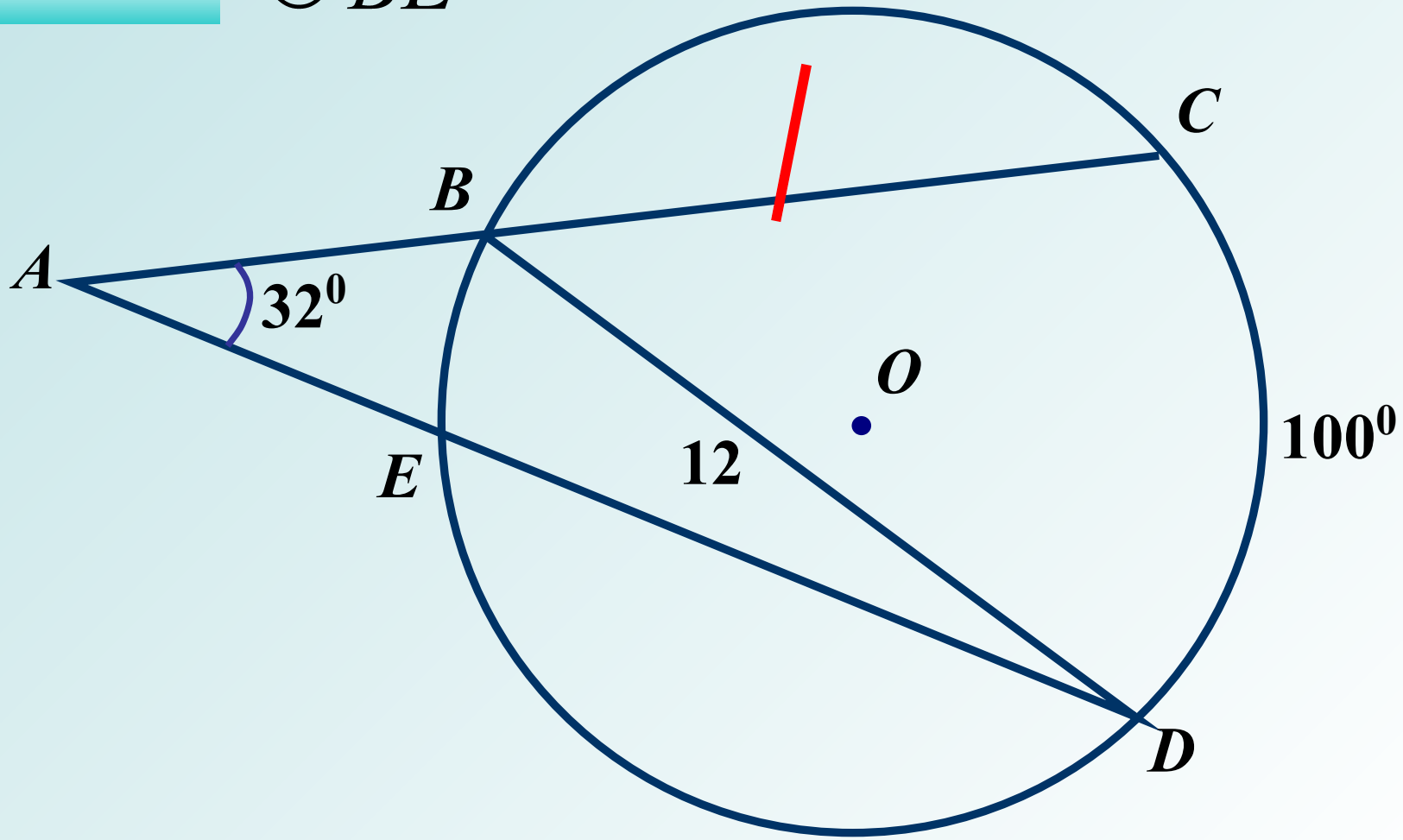
Найти: DE



30.

Дано: $\hat{I}\hat{e}\eth\ .(\hat{I}\ , R),\ \cup CD = 100^0$

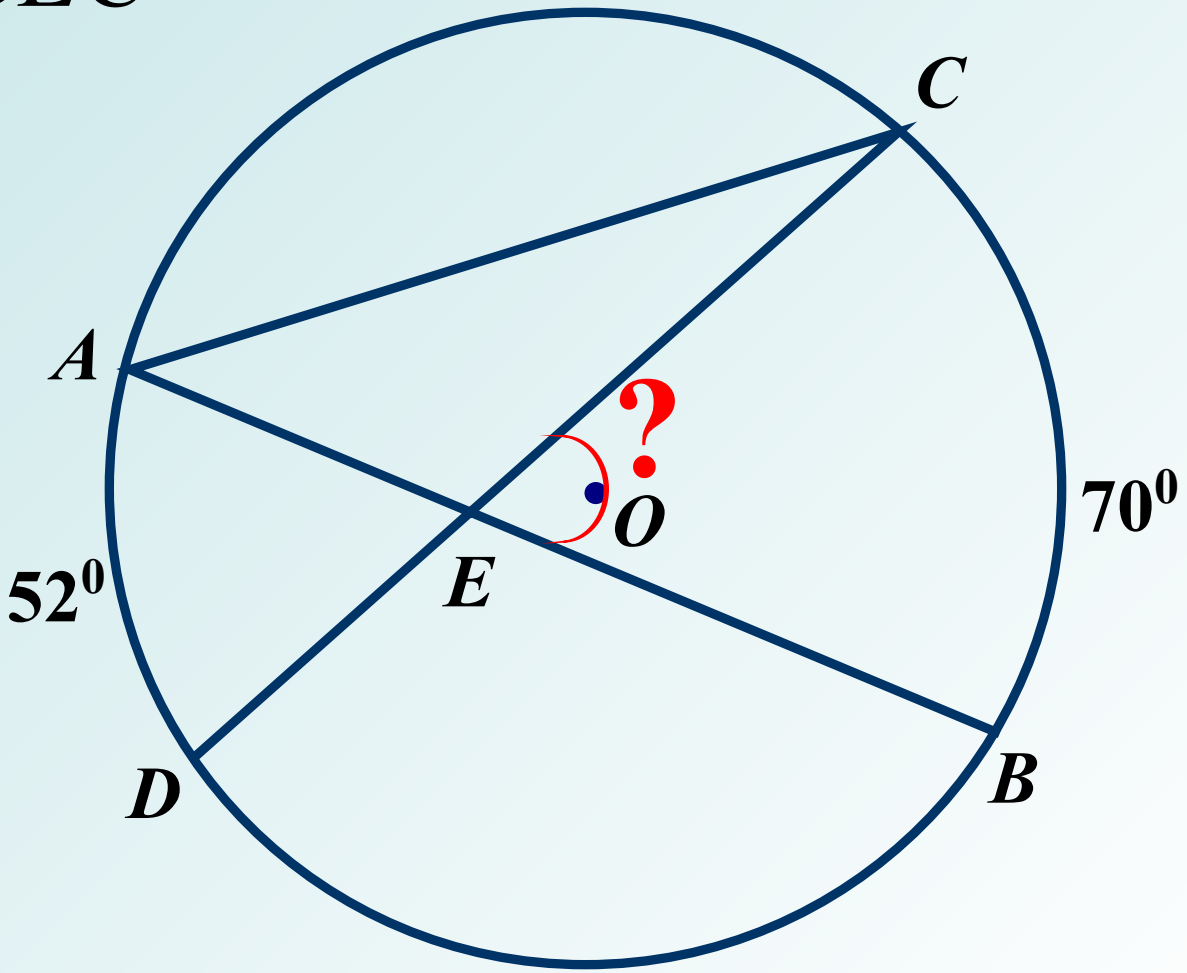
Найти: $\cup BE$



31.

Дано: $\hat{I}\hat{e}\eth\ .(\hat{I}\ , R)$

Найти: $\angle BEC$



32.

Дано: $\hat{I}\hat{e}\eth\ .(\hat{I}\ , R)$

Найти: $\angle A, \angle C, \angle AOC$