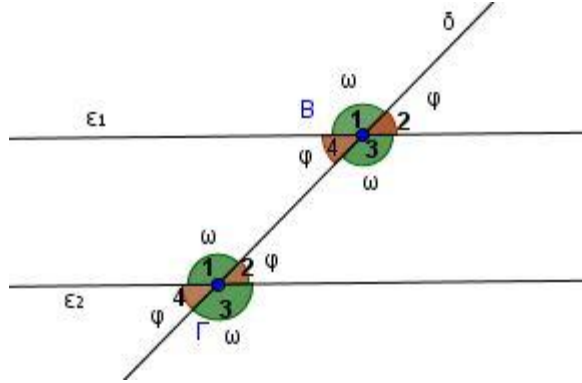


μ μ

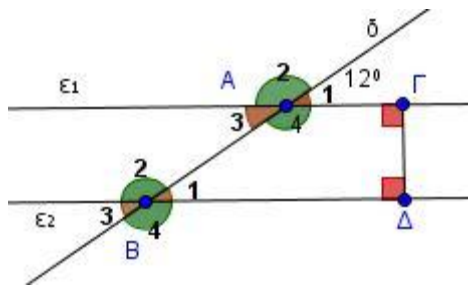
1 2 μ « » ()
 « ».
 $\hat{B}_4, \hat{B}_3, \hat{\Gamma}_1, \hat{\Gamma}_2$
 $\hat{B}_1, \hat{B}_2, \hat{\Gamma}_4, \hat{\Gamma}_3$.



μ « » μ
 μ « \hat{B}_4 $\hat{\Gamma}_2$ » \hat{B}_2 $\hat{\Gamma}_4$
 « »
 μ μ
 1. 2. 3.
 4. 5. - 4. -
 1 2 μ
 μ :
 - μ
 - μ
 - μ μ :
 - μ μ .
 - μ μ

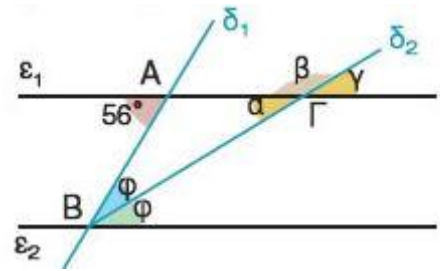
1.

μ μ 1 12 2, 4cm. μ
 μ 4 cm. μ μ μ μ
 1 2 μ 1 2
 $\hat{A}_1 = 12^\circ$
 $\hat{A}_1 \hat{A}_2$ μ ,
 $\hat{A}_2 = 180^\circ - 12^\circ = 168^\circ$



4.

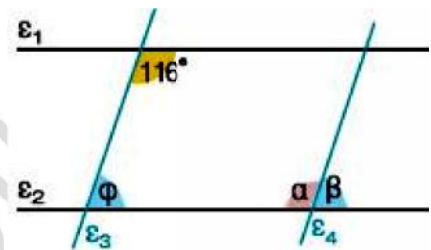
μ μ 1 2
 μ 2 , μ μ B.
 $\hat{A} = 56^\circ$ $\hat{B} = 2\hat{\alpha}$
 $1, 2$ μ 1 2 $\hat{2} = 56^\circ$ $\hat{\alpha} = 56^\circ : 2 = 28^\circ$
 $\hat{\alpha} = \hat{\alpha} = 28^\circ$



μ , $\hat{\alpha} = \hat{\alpha} = 28^\circ$.
 μ , $\hat{\alpha} = 180^\circ - 28^\circ = 152^\circ$.

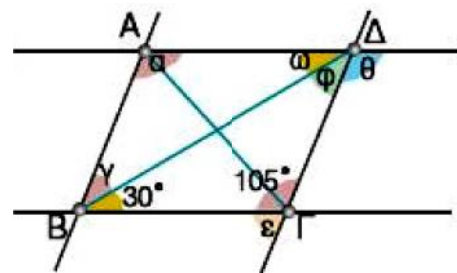
5.

μ $1 // 2$ $3 // 4$.
 116°
 $1, 2$ μ 3
 μ , $\hat{\alpha} = 180^\circ - 116^\circ = 64^\circ$.
 2 μ . $\hat{\alpha} = 180^\circ - 64^\circ = 116^\circ$.
 μ 2 . $\hat{\alpha} = 64^\circ$.



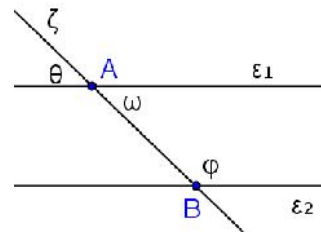
6.

μ $//$ $//$. μ
 μ μ .
 30°
 μ , $\hat{\alpha} = 30^\circ$.
 $\hat{A}\hat{B}\hat{\Gamma}$ $\hat{B}\hat{\Gamma}\hat{\Delta} = 105^\circ$,
 μ , $\hat{A}\hat{B}\hat{\Gamma} = 180^\circ - 105^\circ = 75^\circ$.
 μ $\hat{A}\hat{B}\hat{\Gamma} = \hat{\alpha} + 30^\circ$, $\hat{\alpha} + 30^\circ = 75^\circ$ $\hat{\alpha} = 75^\circ - 30^\circ = 45^\circ$.
 μ , $\hat{\alpha} = \hat{\alpha} = 45^\circ$.
 105° , μ
 μ , $\hat{\alpha} = 105^\circ$.
 μ ,
 $\hat{\alpha} = \hat{\alpha} = 105^\circ$.



7.

μ
 μ
 μ



-)
-)
- i)
- ii)

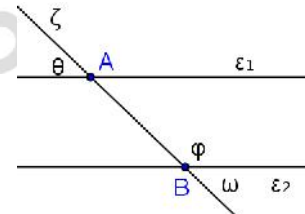
μ 25°:

-)
-) i) = 25°.
- ii)

$+ = 180^\circ \Leftrightarrow + 25^\circ = 180^\circ \Leftrightarrow = 180^\circ - 25^\circ = 155^\circ.$

8.

μ
 μ
 μ



-)
-)
- i)
- ii)

$< N 180^\circ$;

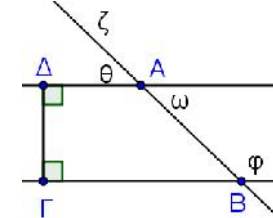
μ 25°:

-)
-)
- i) x
- ii) $x = 25^\circ$, $x = 25^\circ$.

$ii) + = 180^\circ \Leftrightarrow + 25^\circ = 180^\circ \Leftrightarrow = 180^\circ - 25^\circ = 155^\circ$

9.

μ
 30°. $R\hat{U}X$ $U\hat{X}S$
 μ
 $< N 180$



-)
-)
-)
-)

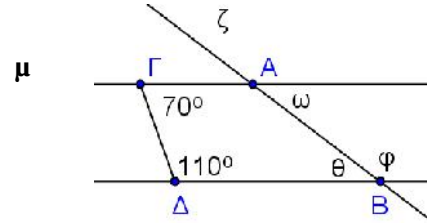
μ ,

) , $\mu = 30^\circ$.

) μ
 $\mu + 30^\circ = 180^\circ \Leftrightarrow \mu = 180^\circ - 30^\circ = 150^\circ$

10. $\mu = 150^\circ$, $R\hat{X}U = 70^\circ$, $S\hat{X}N = 110^\circ$

)
)
) N



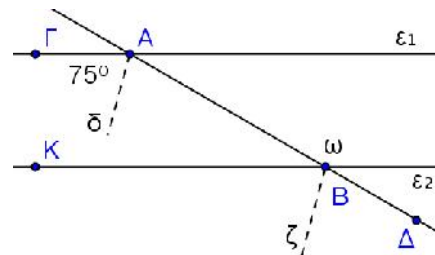
) $A\hat{\Gamma}\Delta = B\hat{\Delta}\Gamma$, μ
 $A\hat{\Gamma}\Delta + B\hat{\Delta}\Gamma = 70^\circ + 110^\circ = 180^\circ$,

) μ
 $\mu + 150^\circ = 180^\circ \Leftrightarrow \mu = 180^\circ - 150^\circ = 30^\circ$

) $\mu = 30^\circ$.

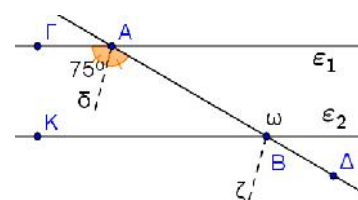
11. μ , θ_1 , θ_2
 μ , $X\hat{R}S = X\hat{R}N = 75^\circ$

) $X\hat{R}S$
) $N = 150^\circ$
) μ , $\hat{S}U$,
 $U\hat{S} = 75^\circ$.



) μ , $\Gamma\hat{A}B$,
 $\Gamma\hat{A}B = 2 \cdot 75^\circ = 150^\circ$.

) (1) (2) μ
 $= \Gamma\hat{A}B = 150^\circ$.



) $K\hat{B}\Delta$, μ
 $K\hat{B}\Delta$, $\Delta\hat{B} = \frac{K\hat{B}\Delta}{2} = \frac{150^\circ}{2} = 75^\circ$

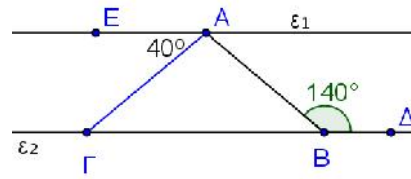
12.

μ

$$g_1: g_2: \\ R\hat{S}U \text{ N } 140^\circ$$

$$V\hat{R}X \text{ N } 40^\circ.$$

-) $R\hat{S}X.$
-) $R\hat{X}S.$
-)



$$) \quad A\hat{B}\Gamma + A\hat{B}\Delta = 180^\circ \Leftrightarrow A\hat{B}\Gamma + 140^\circ = 180^\circ \Leftrightarrow A\hat{B}\Gamma = 180^\circ - 140^\circ = 40^\circ$$

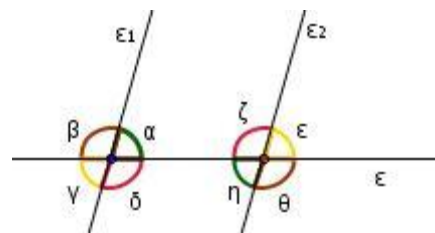
$$) \quad A\hat{\Gamma}B \quad E\hat{A}\Gamma \quad (1) \quad (2)$$

$$\mu \quad , \quad A\hat{\Gamma}B = E\hat{A}\Gamma = 40^\circ.$$

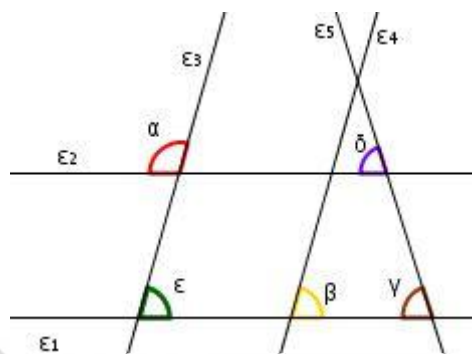
$$) \quad A\hat{\Gamma}B = A\hat{B}\Gamma = 40^\circ$$

askisopolis

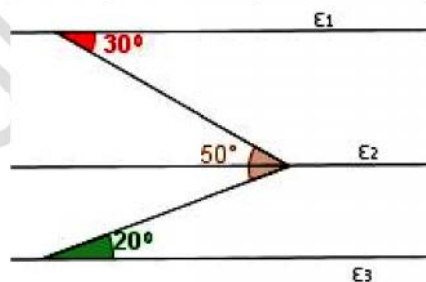
13. $\mu \hat{=} 70^\circ$
 μ 1 2



14. μ 1 || 2 3 || 4
 70° , , , ,

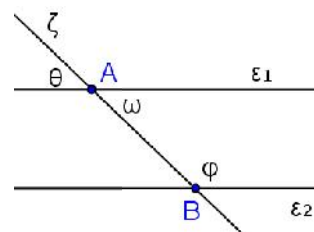


15. μ 2 3
 1 2



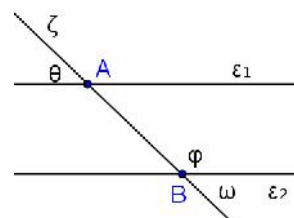
16. $\mu \mu = 3\text{cm}$ $= 2\text{cm}$.
 $\mu \mu$
 μ // //

17. μ 1 2
 μ



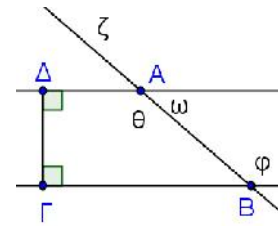
) $+ = 180^\circ$;
) $\mu 160^\circ$;
 i)
 ii)

18. μ 1 2
 μ

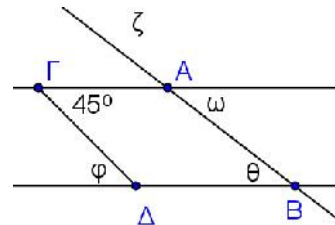


) $=$;
) $\mu 30^\circ$;
 i)
 ii)

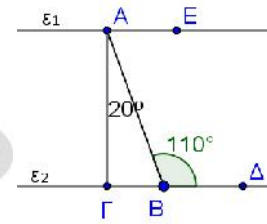
19. μ $\hat{\Delta}\hat{\Gamma}$ $\hat{\Delta}\hat{\Gamma}\hat{B}$
 150° μ
)
)
) $+ = 180$



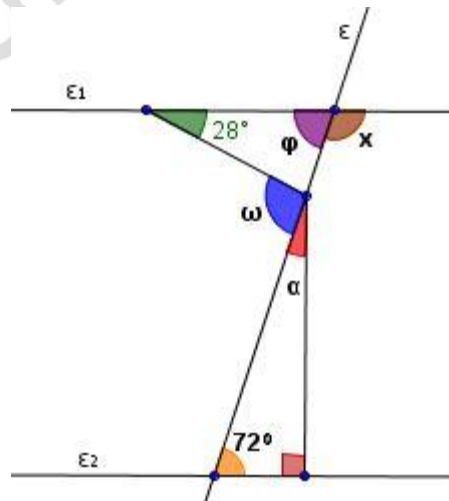
20. μ $\hat{A}\hat{\Gamma}\hat{\Delta} = 45^\circ$
 45° $\mu = 30^\circ$
 μ
) $\hat{B}\hat{\Delta}\hat{\Gamma}$
)
) $=$



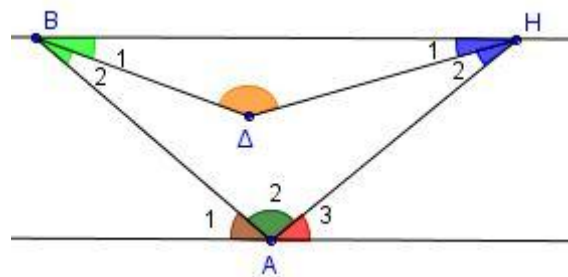
21. μ (1) (2)
 $\hat{A}\hat{B}\hat{\Delta} = 110^\circ$, $\hat{\Gamma}\hat{A}\hat{B} = 20^\circ$
) $\hat{E}\hat{A}\hat{B}$
) $\hat{E}\hat{A}\hat{\Gamma} = 90^\circ$
) μ $\hat{A}\hat{\Gamma}\hat{B} = 90^\circ$



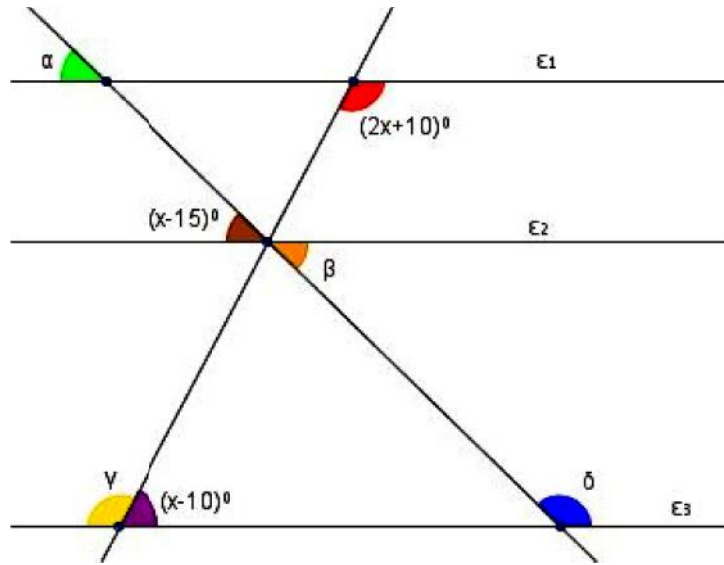
22. μ $\epsilon_1 // \epsilon_2$ x, ω
 μ μ



23. μ μ $//$
 $\hat{A}_1 = 50^\circ$, $\hat{\Delta} = 135^\circ$
 μ $\hat{A}\hat{B}\hat{H}$ μ
 $\hat{A}\hat{H}\hat{B}$ \hat{B}_1, \hat{H}_1
 \hat{A}_3



24. μ 1, 2, 3



25.

μ
 $\hat{\alpha}, \hat{\beta}, \hat{\gamma}$
 $(N$
 $)$

