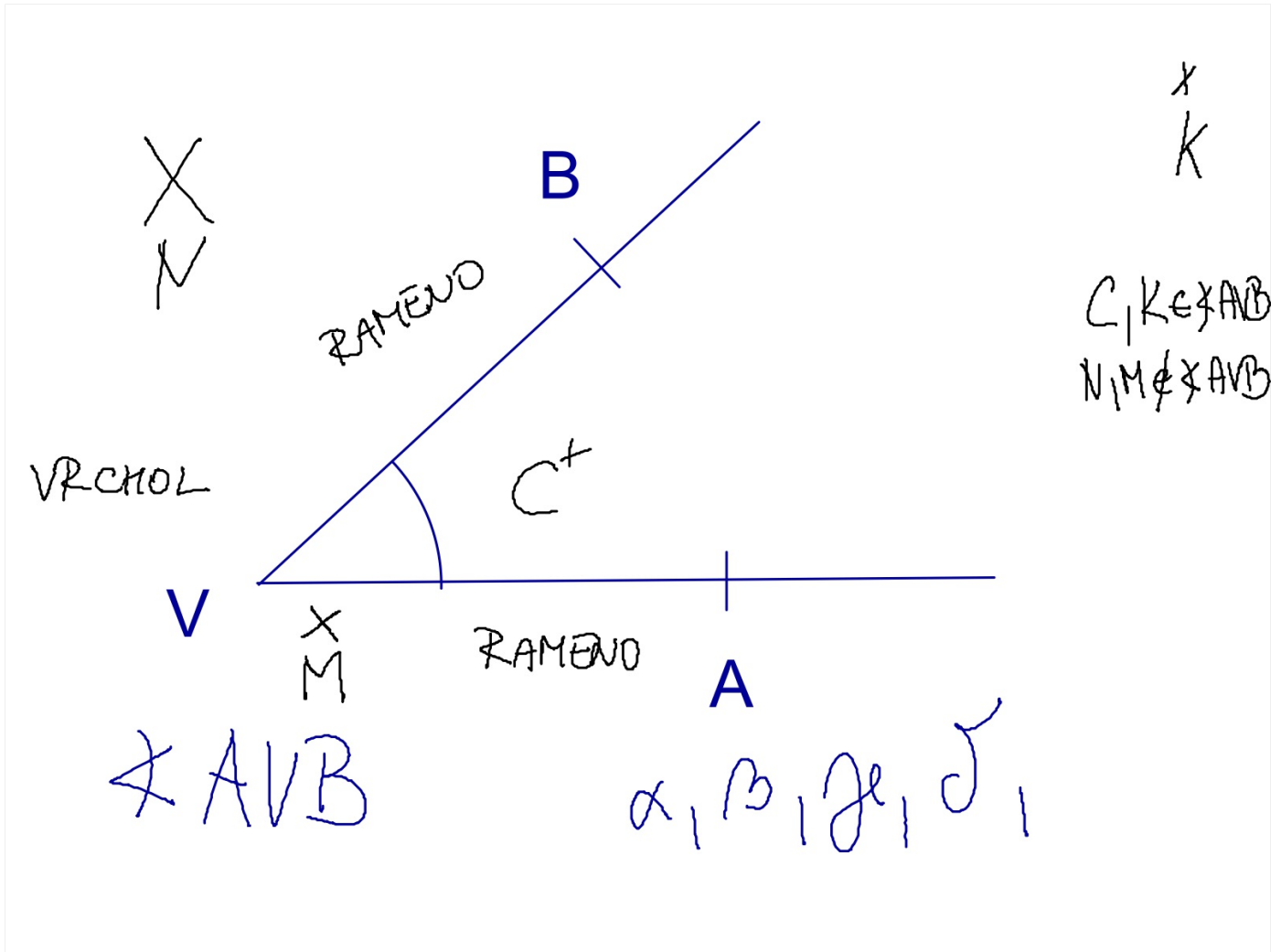
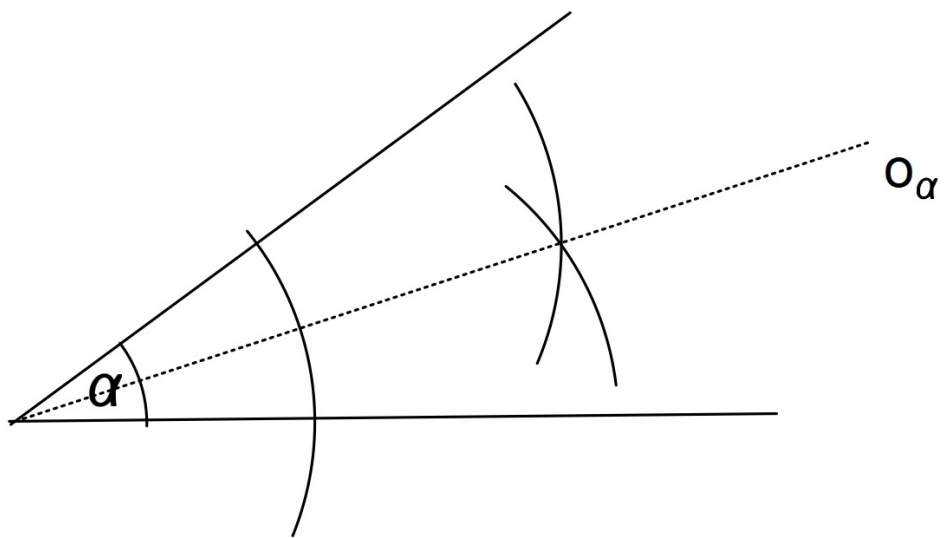


úhel - opakování



osa úhlu



osa dělí úhel na dvě shodné části

stupně a minuty

$$1^{\circ} = 60'$$

$$2^{\circ} = 2 \cdot 60' = 120'$$

$$5^{\circ} = 300'$$

$$3,5^{\circ} = 180' + 30' = 210'$$

$$12^{\circ} = 12 \cdot 60 = 600 + 120 = 720'$$

$$72' = 1^{\circ} 12' \quad (72 = 60 + 12)$$

$$183' = 3^{\circ} 3' \quad (180 = 3 \cdot 60 + 3)$$

$$456' = (420 + 36) = 7^{\circ} 36'$$

1. 2. 3. 4. 5. 6. 7. 8. 9.
60, 120, 180, 240, 300, 360, 420, 480, 540

$$38^{\circ} + 45^{\circ} = 83^{\circ}$$

$$45^{\circ} + 35^{\circ} 15' = 80^{\circ} 15'$$

$$21^{\circ} 50' + 16^{\circ} 21' = 37^{\circ} 71'$$

^
60' 11'

$$112^{\circ} 45' + 37^{\circ} 26' = 149^{\circ} 71'$$

38^{\circ} 11'

$$150^{\circ} 11'$$

$$69^{\circ} - 25^{\circ} = 44^{\circ}$$

$$45^{\circ} 16' - 23^{\circ} = \underline{\underline{22^{\circ} 16'}}$$

$$26^{\circ} 45' - 11^{\circ} 13' = 15^{\circ} 32'$$

$$112^{\circ} - 10^{\circ} 36' = \cancel{102^{\circ} 36'}$$

$$101^{\circ} 24'$$

$$111^{\circ} 60'$$

$$\begin{array}{r} 60 \\ -36 \\ \hline 24 \end{array}$$

$$113^{\circ}5' + 8^{\circ}1' = 121^{\circ}6'$$

$$150^{\circ} - 36^{\circ}41' = 113^{\circ}60' - 36^{\circ}41' = \underline{113^{\circ}19'}$$

$$21^{\circ}51' - 2^{\circ}59' =$$

$$20^{\circ}60' + 51'$$

$$20^{\circ}111' - 2^{\circ}59' = 18^{\circ}52'$$

$$136^{\circ} 15' - 45^{\circ} 42' =$$

$$135^{\circ} 75' - 45^{\circ} 42' = 90^{\circ} 33'$$