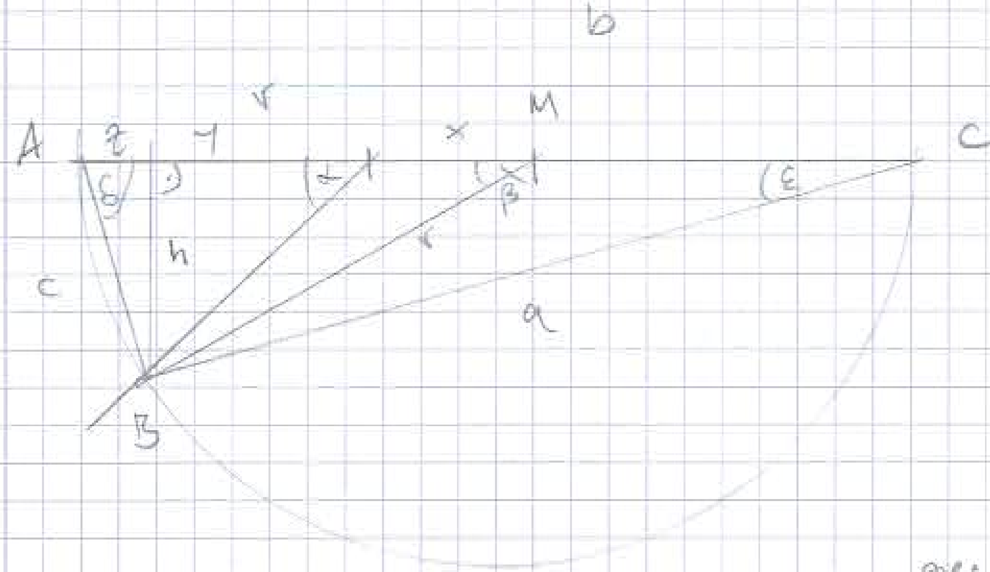
Scan (5)

DG

$\tan \alpha = \frac{\overline{DG}}{\overline{DE}}$

$\overline{DG} = \frac{\overline{DE}}{\tan \varepsilon}$



gegeben x, α r

gesucht β

$b^2 = a^2 + c^2$

$(2(z + y + x))^2 = a^2 + c^2$

$h =$ $\tan \alpha = \frac{h}{y}$

$y = h \cdot \tan \alpha$

$\tan \alpha = \frac{h}{y}$

$y = \frac{h}{\alpha}$

$(x + y)^2 + h^2 = r^2$

$(x + \frac{h}{\alpha})^2 + h^2 = r^2$

$x^2 + 2x\frac{h}{\alpha} + \frac{h^2}{\alpha^2} + h^2 = r^2$