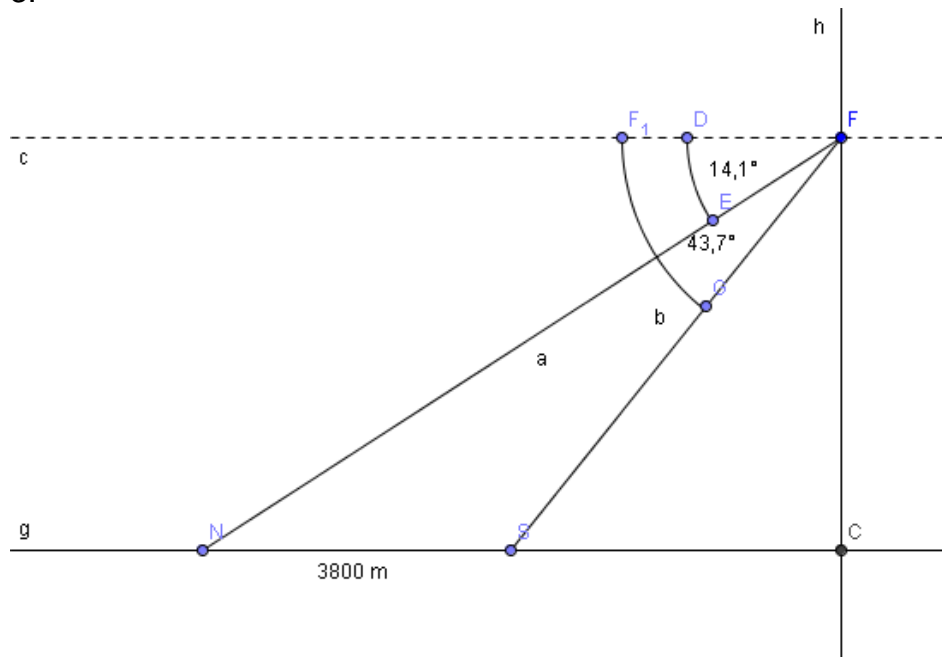


Lösungen (12):

Ortsausdehnung: $7,6 \text{ cm} \cdot 50000 = 3,8 \text{ km}$

3.



✧ $\sphericalangle SNF = 14,1^\circ$ (Z-Winkel an Parallelen)

✧ $\sphericalangle NFS = 43,7^\circ - 14,1^\circ = 29,6^\circ$

✧ $\sphericalangle FSN = 180^\circ - 43,7^\circ = 136,3^\circ$

$$\frac{3800}{\sin 29,6} = \frac{a}{\sin 136,7} \Rightarrow a = 5276 \text{ [m]}$$

1. Flughöhe $h = \overline{CF} = 5276 \cdot \sin 14,1^\circ = 1285 \text{ [m]}$

2. Flugweite $\overline{NC} = 5276 \cdot \cos 14,1^\circ = 5117 \text{ [m]}$