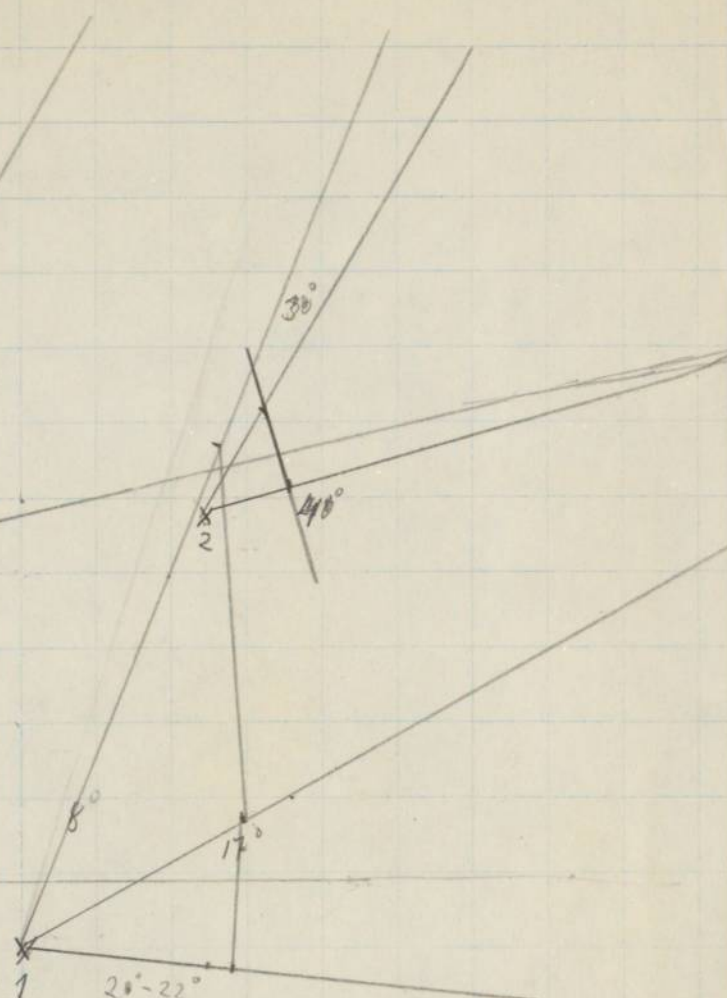
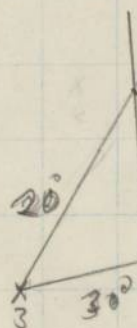
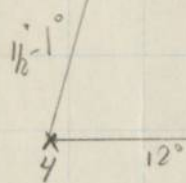


6/7 1200

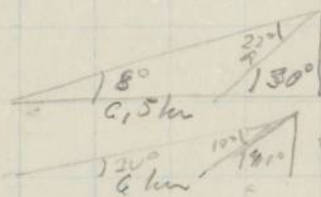


a) Sin 1 i 8° och 2 i 30°

b) 3 i 30° och 2 i 40°

c) 4 i 12° och 1 i 19°

$$h_c = \frac{\sin 19^\circ \cdot \sin 12^\circ}{\sin 6^\circ} = \frac{0,32 \cdot 0,19}{0,104} = 5,56$$



$$\frac{a}{\sin 8^\circ} = \frac{6,5}{\sin 22^\circ} \quad c = \frac{6,5 \cdot \sin 3^\circ}{\sin 22^\circ}$$

$$\frac{b}{\sin 30^\circ} = \frac{6}{\sin 10^\circ} \quad d = \frac{6 \cdot \sin 30^\circ}{\sin 10^\circ}$$

$$h_a = \frac{\sin 30^\circ \cdot \sin 8^\circ}{\sin 22^\circ} \cdot 6,5 = \frac{0,5 \cdot 0,14}{0,37} \cdot 6,5 = 1,230$$

$$h_b = \frac{\sin 30^\circ \cdot \sin 40^\circ}{\sin 10^\circ} \cdot 6,0 = \frac{0,5 \cdot 0,65}{0,17} \cdot 6,0 = 10,600$$

Antal höjder till 1000 m

p1 läge 1

22° - 2°

$c = \frac{1000}{\sin 22^\circ}$

2,43 - 2,23

$\frac{H}{c} = \frac{h}{\sin \alpha}$

p2

17°

8°

3,28

2,1

p3

40°

30°

1,2

1,75

30°

1,75

20°

3,75

p4

12°

1°

4,7°

10

∴ höjden mellan 1,2, 5,5 och 10,6 km