

Vorbere. 2 UR Ha 10kt. - Lsj

1 a) $x \approx 23,5m$ b) $x \approx 1655mm$

2 a) $\gamma = 47^\circ$; $a = 510cm$; $b = 5765cm$; $A \approx 10,4cm^2$
b) $d = 48,1^\circ$; $\gamma \approx 57,9^\circ$; $c \approx 5,46cm$; $A \approx 10,6cm^2$

3 a) $c \approx 6,3cm$ $d \approx 42,5^\circ$ $\beta \approx 66,5^\circ$
b) $f \approx 515cm$ $e \approx 23,4^\circ$ $\delta \approx 95,6^\circ$
c) $z \approx 573m$ $d \approx 107^\circ$; $\beta \approx 69,5^\circ$
d) $d \approx 46,2^\circ$ $\beta \approx 547^\circ$ $\gamma \approx 83,1^\circ$
e) $e \approx 28,0^\circ$; $\delta \approx 49,1^\circ$; $\varphi \approx 107^\circ$

4 a) $a \approx 2,6cm$ b) $\gamma \approx 46,4^\circ$

5 a) $b \approx 6,2cm$ $d \approx 38,2^\circ$ $\gamma \approx 81,3^\circ$
b) $d = 45,9^\circ$ $\beta \approx 89,6^\circ$ $c \approx 744,6cm$
c) $a \approx 946cm$; $\beta \approx 92,4^\circ$ $\gamma \approx 42,6^\circ$
d) $c \approx 6,96cm$ $d \approx 44,3^\circ$ $\beta \approx 32,1^\circ$

6) $h \approx 13,70m$

7 a) $b \approx 5,3km$
b) $t \approx 6min$ um 20,9% kürzer

8) $A \approx 2354m^2$

9) $h \approx 60m$
 $v = 16,7 \frac{m}{s} = 60,12 \frac{km}{h}$

10) $d = 16,26^\circ \hat{=} 29,17\%$

11) $d = 63,4^\circ$