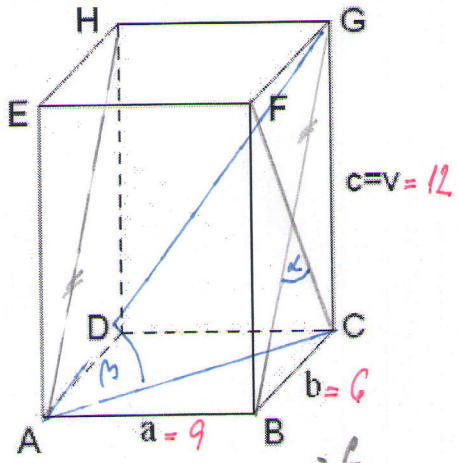
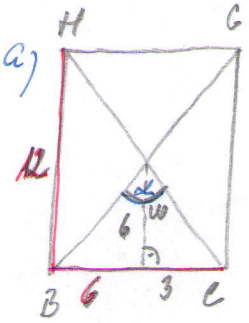
Úkol č. 10

odevzdat do 30. 4. 2020, s výpočty

1. Je dán kvádr ABCDEFGH, kde |AB|=9 cm, |BC|=6 cm a |AE|=12 cm, vypočtěte:
   a) odchylku přímky AH a přímky CF
   b) odchylku přímky AG od roviny podstavy

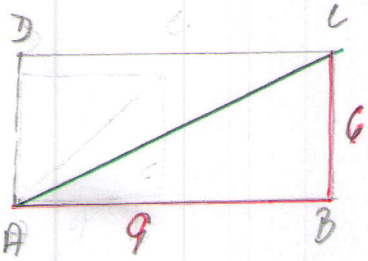




$\operatorname{tg} w = \frac{3}{6}$ 1

$w = 26°34'$ 1

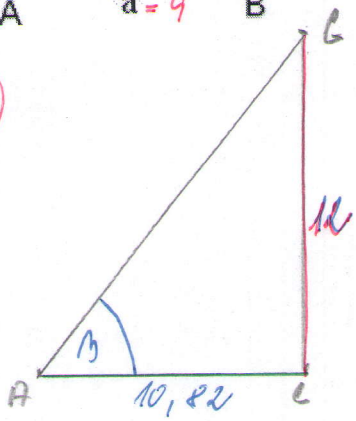
$\alpha = 2 \cdot w = 53°8'$ 1



$|AC|^2 = 9^2 + 6^2$ 1

$|AC| = 10{,}82\ \text{cm}$ 1

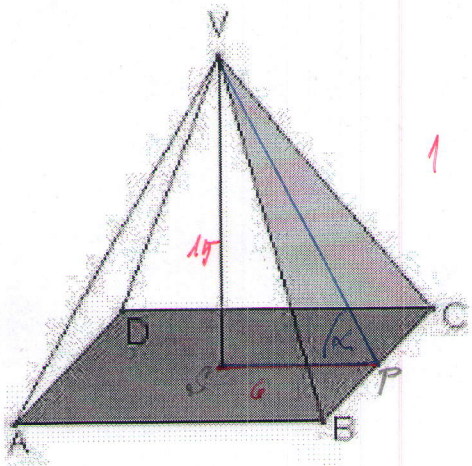
(14)



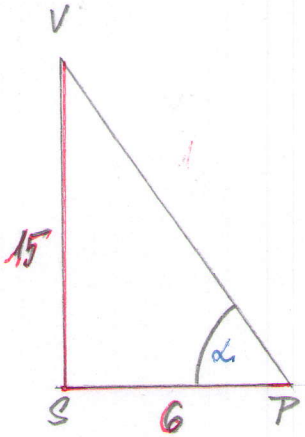
$\operatorname{tg} \beta = \frac{12}{10{,}82}$ 1

$\beta = 47°58'$ 1

2. Je dán pravidelný čtyřboký jehlan ABCDV, kde |AB|= 12 cm, výška tělesa je 15 cm. Určete odchylku roviny BCV od roviny podstavy.



1



$\operatorname{tg} \alpha = \frac{15}{6}$ 1

$\alpha = 68°12'$ 1

(31)

10 b - 9	1
8 - 7	2
6 - 5	3
4 - 3	4
2 - 0	5