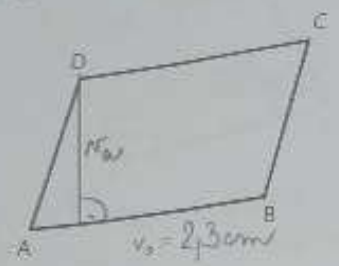
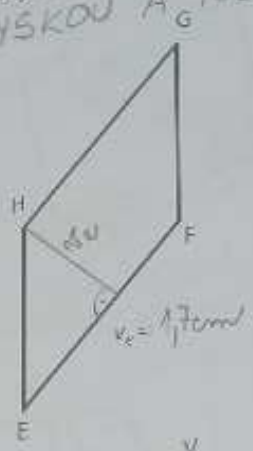
3. Výšky rovnoběžníku

1. V rovnoběžnících sestroj určené výšky, změř a zapiš jejich velikost.

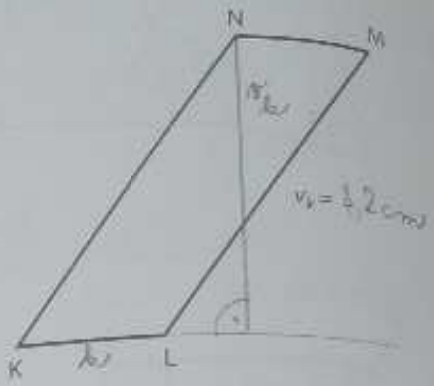
PRACUJ S PRAVÍTKEM S RYSKOU A TUŽKOU Č. 3.



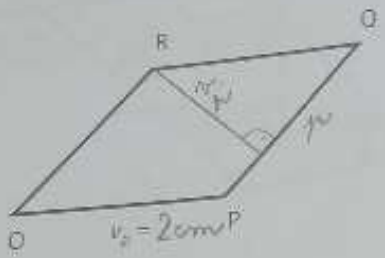
$v_a = 2{,}3\,cm$



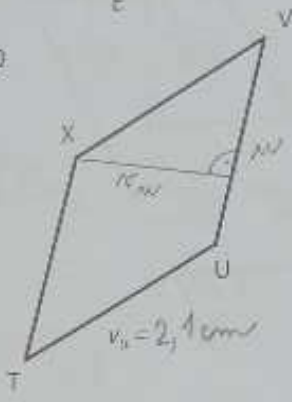
$v_e = 1{,}7\,cm$



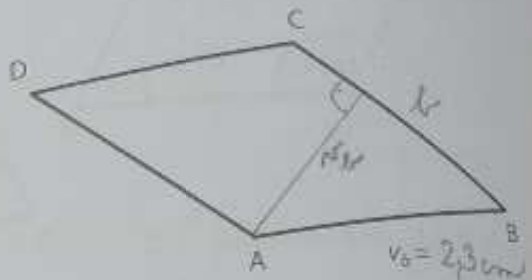
$v_k = 3{,}2\,cm$



$v_p = 2\,cm$



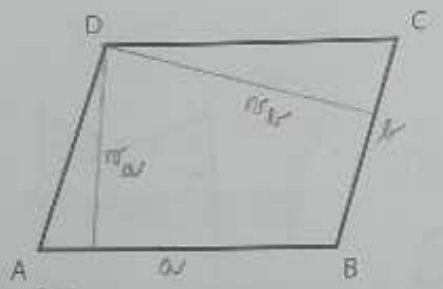
$v_u = 2{,}1\,cm$

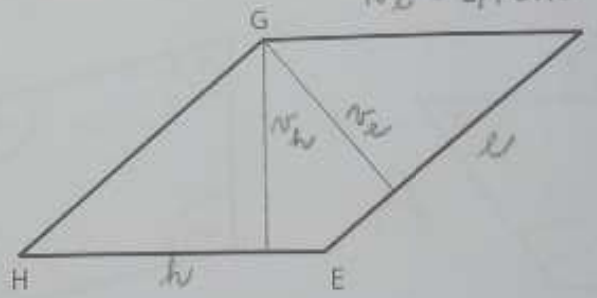


$v_b = 2{,}3\,cm$

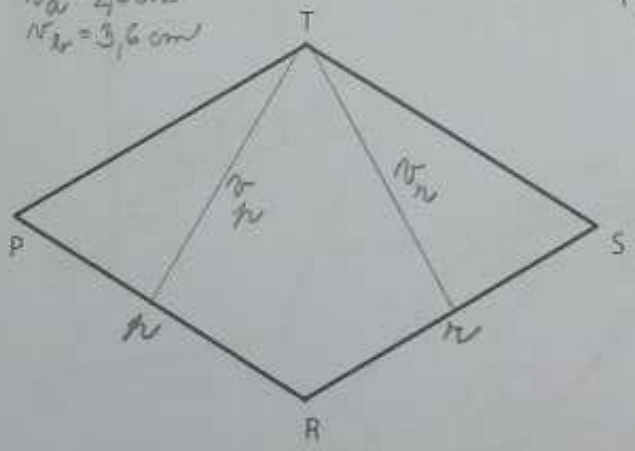
2. V každém rovnoběžníku narýsuj, změř a zapiš obě výšky.

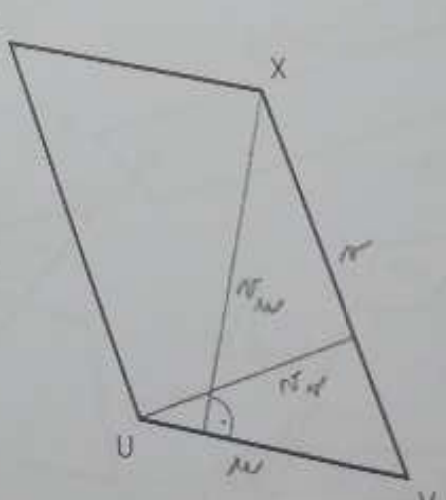
$v_h = 2{,}6\,cm$
$v_f = 2{,}4\,cm$

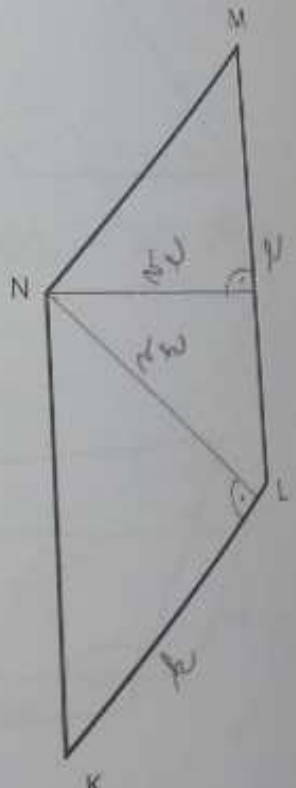




$v_a = 2{,}6\,cm$
$v_k = 3{,}6\,cm$







$v_p = 3{,}5\,cm$
$v_k = 3{,}6\,cm$

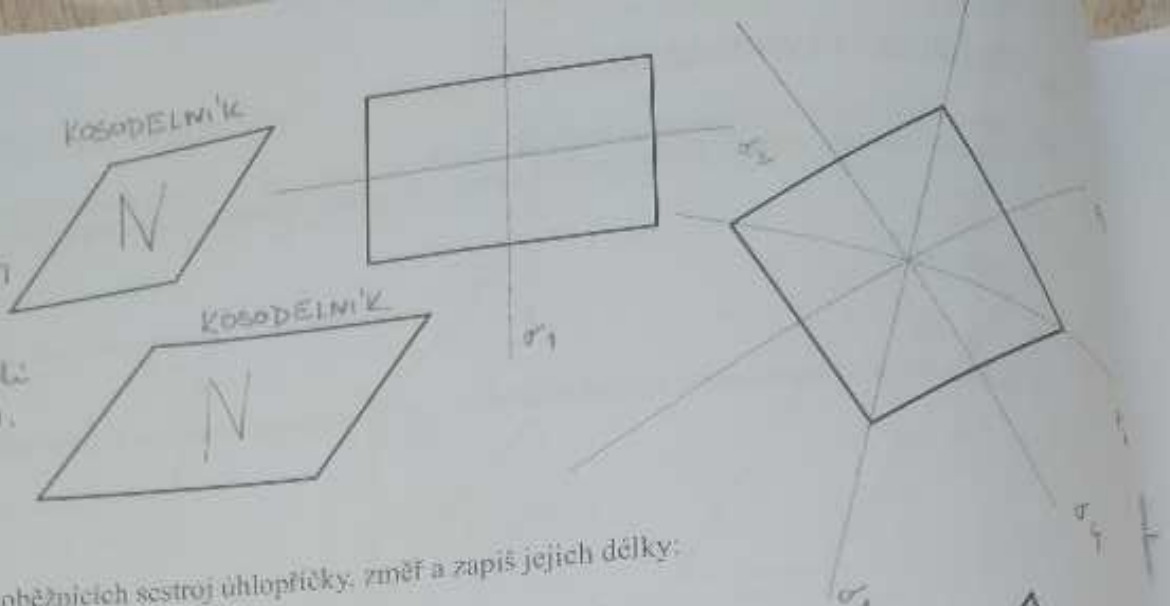
$v_w = 3{,}9\,cm$
$v_r = 2{,}6\,cm$

$v_k = 3{,}4\,cm$
$v_l = 2{,}6\,cm$

KOSODELNÍK

Pokud by to byl kosočtverec, tak by měl 2 osy souměrnosti (úhlopříčky).

KOSODELNÍK

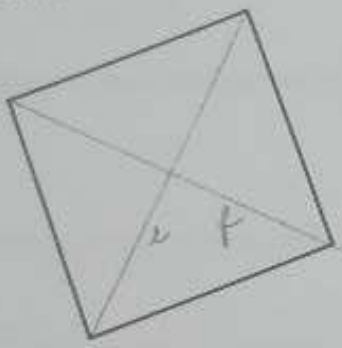


4. V rovnoběžnících sestroj úhlopříčky, změř a zapiš jejich délky:

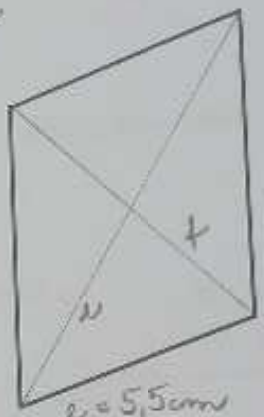
$e = f = 5\,cm$

$e = 3{,}5\,cm$
$f = 5\,cm$

$e = 5{,}5\,cm$
$f = 3\,cm$

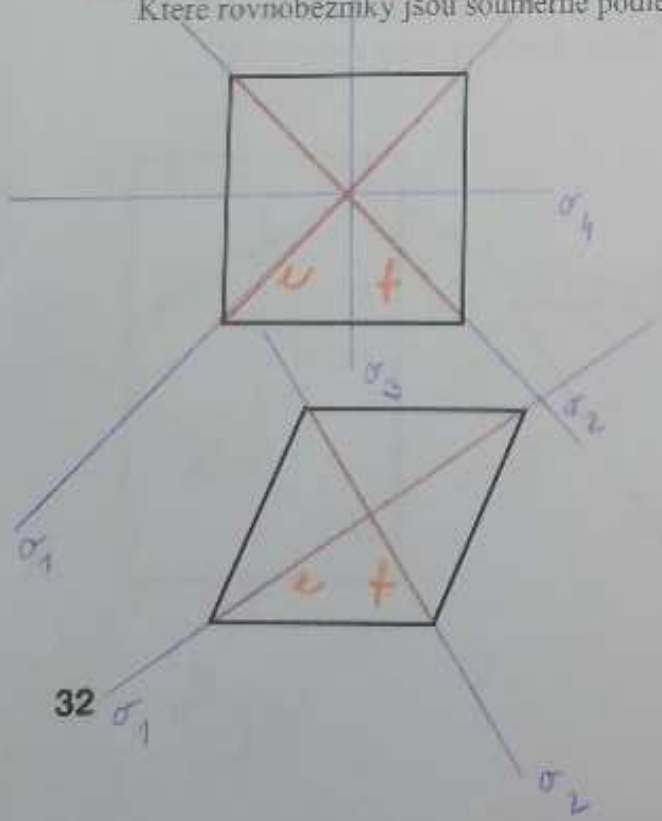


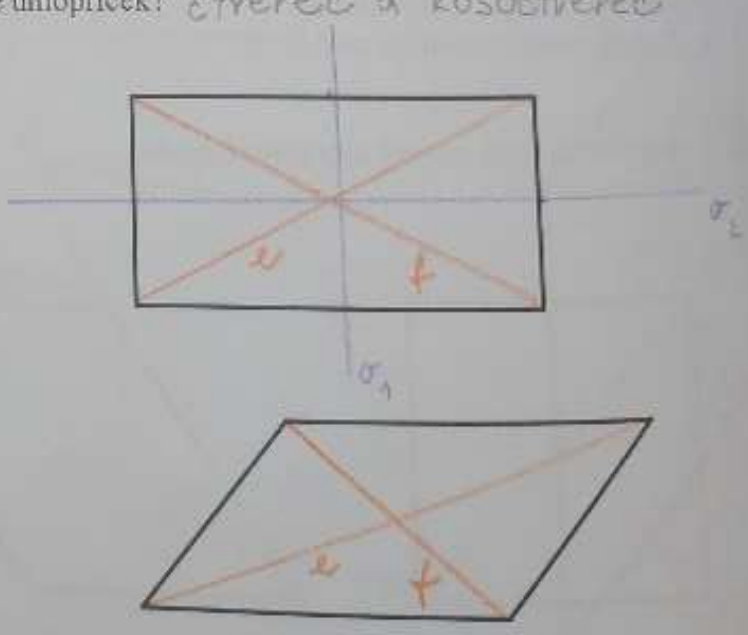
$e = f = 4{,}6\,cm$



$e = 5{,}5\,cm$
$f = 4\,cm$

5. V rovnoběžnících vyznač jednou barvou osy souměrnosti, druhou barvou úhlopříčky. Které rovnoběžníky jsou souměrné podle úhlopříček? čtverec a kosočtverec

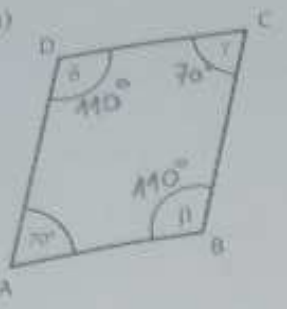




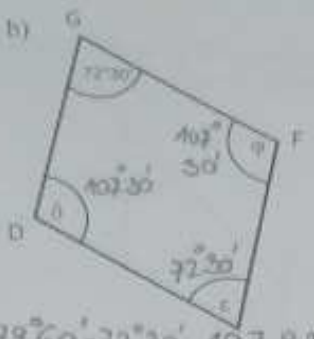
součet sousedních úhlů je 180°

2. V rovnoběžnících doplň velikosti vnitřních úhlů.

a)



b)



179°60'-72°30' = 107°30'

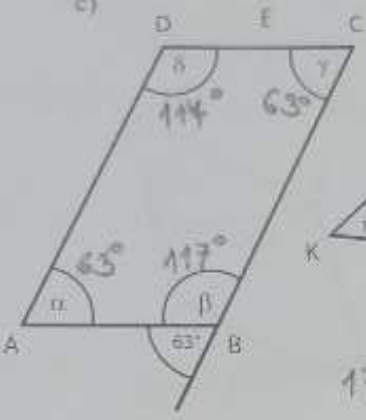
c)

179°60'-109°23' = 70°37'

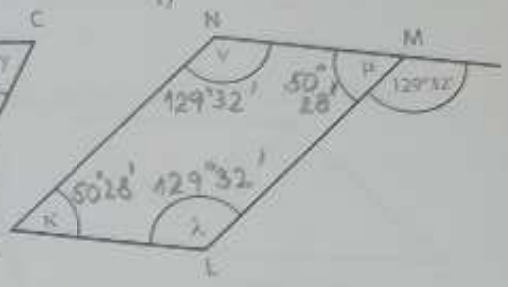
d)

179°60'-152°47' = 27°13'

e)



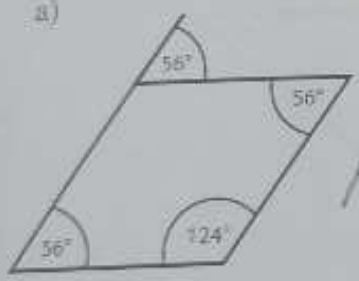
f)



179°60'-129°32' = 50°28'

3. Zjisti, zda je možné, aby existoval rovnoběžník s danými úhly. (Rovnoběžníky jsou jen náčrtky.)

a)



A

56° + 124° = 180°

b)

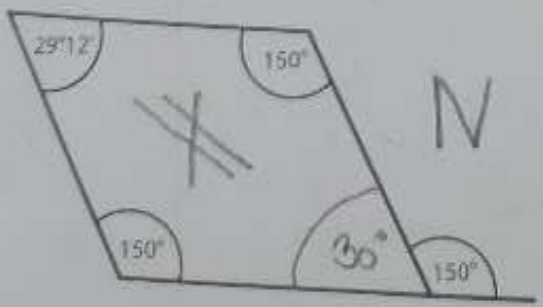
N

73° + 73° ≠ 180°

c)

A

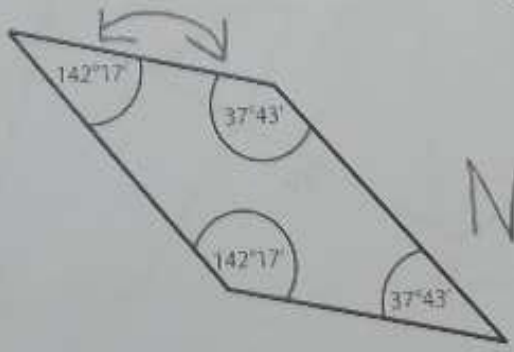
d)



N

29°12' ≠ 30°

e)



N