

Worksheet

09/16/2020

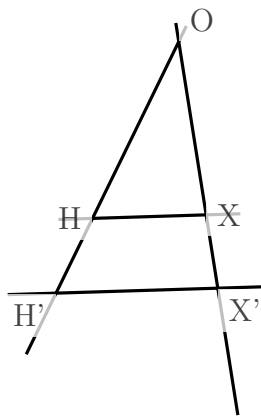
Free on dw-math.com

Problem quickname: 3140

1)

Which statements are true? Check them.

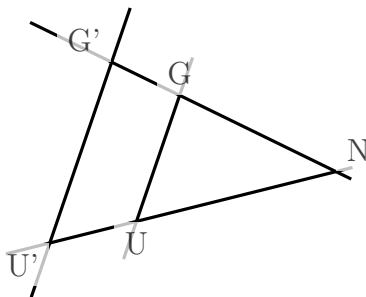
a)



- $\frac{|HH'|}{|XX'|} = \frac{|OH'|}{|OX'|}$
- $\frac{|XX'|}{|HH'|} = \frac{|OX|}{|OH|}$
- $\frac{|HH'|}{|XX'|} = \frac{|OX'|}{|OH'|}$
- $\frac{|HH'|}{|OH'|} = \frac{|XX'|}{|OX'|}$

(Three true)

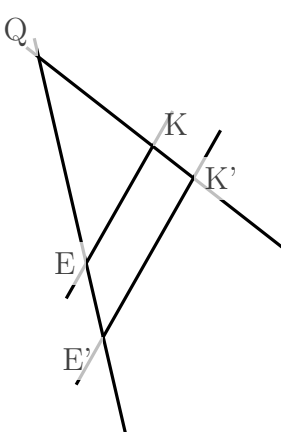
b)



- $\frac{|GG'|}{|UU'|} = \frac{|NU|}{|NG|}$
- $\frac{|UU'|}{|GG'|} = \frac{|NG|}{|NU|}$
- $\frac{|NG'|}{|NG|} = \frac{|NU|}{|NU'|}$
- $\frac{|UU'|}{|GG'|} = \frac{|NU'|}{|NG'}$

(One true)

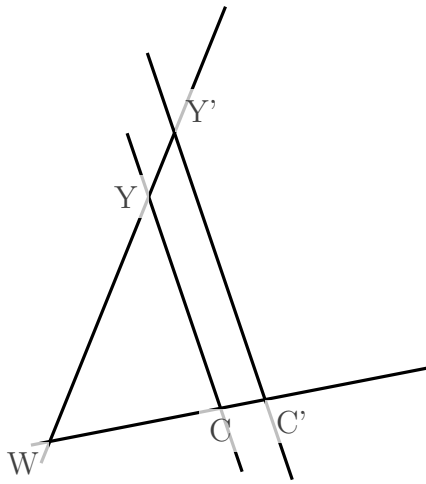
c)



- $\frac{|KK'|}{|EE'|} = \frac{|QK|}{|QE|}$
- $\frac{|QE'|}{|QE|} = \frac{|QK|}{|QK'|}$
- $\frac{|KK'|}{|EE'|} = \frac{|QK'}{|QE'|}$
- $\frac{|EE'|}{|QE|} = \frac{|KK'|}{|QK|}$

(Three true)

d)



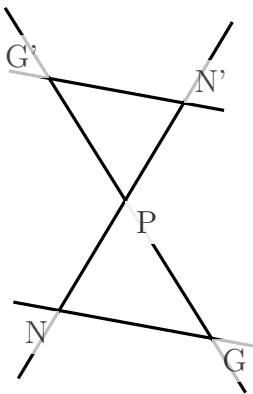
- $\frac{|WC|}{|WY|} = \frac{|WC'|}{|WY'|}$
- $\frac{|WY|}{|WC|} = \frac{|WY'|}{|WC'|}$
- $\frac{|WC'|}{|WC|} = \frac{|WY'|}{|WY|}$
- $\frac{|CC'|}{|WC'|} = \frac{|WY'|}{|YY'|}$

(Three true)

2)

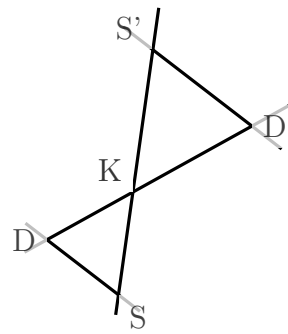
Which statements are true? Check them.

a)



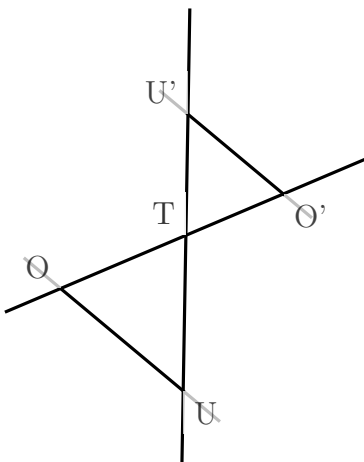
- $\frac{|GG'|}{|NN'|} = \frac{|PN|}{|PG|}$
- $\frac{|PN'|}{|PN|} = \frac{|PG|}{|PG'|}$
- $\frac{|NN'|}{|GG'|} = \frac{|PN|}{|PG|}$
- $\frac{|PN|}{|PG|} = \frac{|PN'|}{|PG'|}$

b)

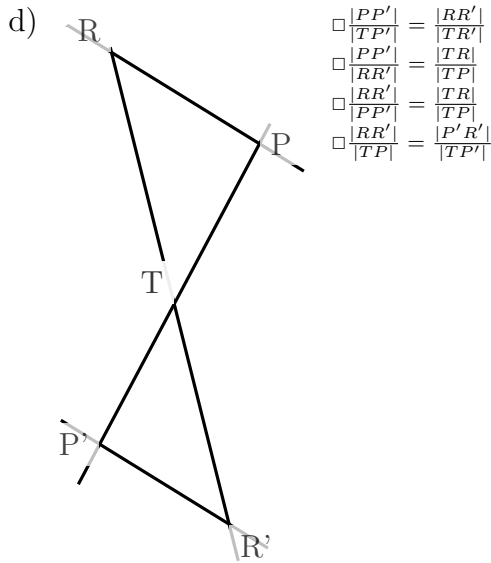


- $\frac{|DD'|}{|SS'|} = \frac{|KS|}{|KD|}$
- $\frac{|KD|}{|KD'|} = \frac{|KS|}{|KS'|}$
- $\frac{|SS'|}{|DD'|} = \frac{|KD'|}{|KS'|}$
- $\frac{|DD'|}{|SS'|} = \frac{|KD'|}{|KS'|}$

c)

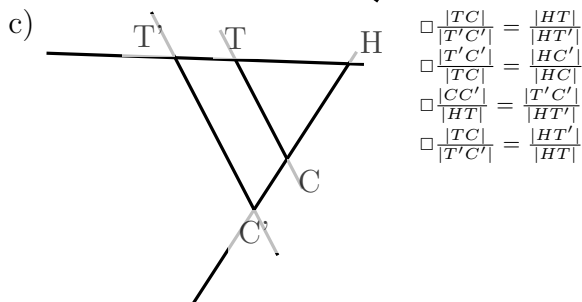
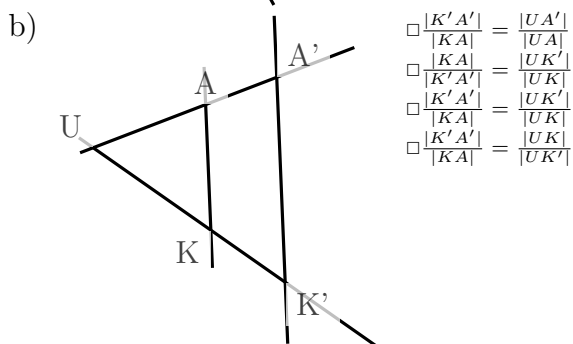
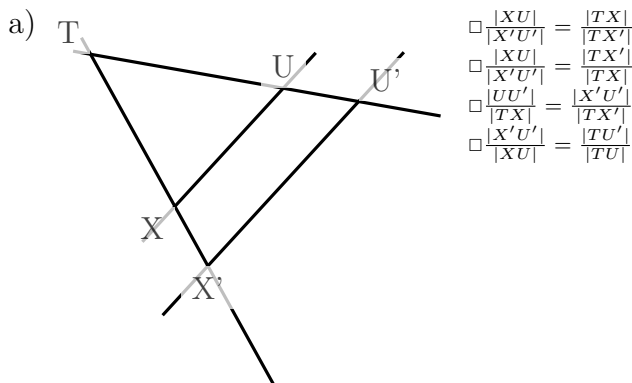


- $\frac{|OO'|}{|UU'|} = \frac{|TO|}{|TU|}$
- $\frac{|UU'|}{|OO'|} = \frac{|TU|}{|TO|}$
- $\frac{|UU'|}{|OO'|} = \frac{|TU'|}{|TO'|}$
- $\frac{|TO'|}{|OO'|} = \frac{|UU'|}{|TU'|}$

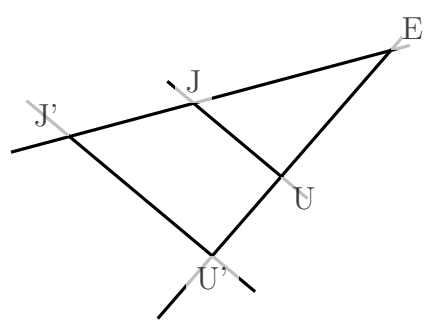


3)

Which statements are true? Check them.



d)

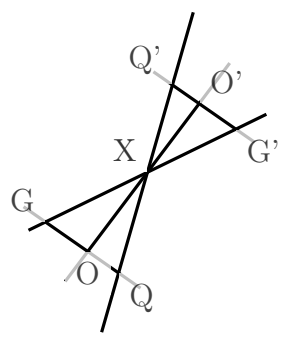


- $\frac{|J'U'|}{|JU|} = \frac{|EU'|}{|EU|}$
- $\frac{|J'U'|}{|JU|} = \frac{|EJ'|}{|EJ|}$
- $\frac{|J'U'|}{|JU|} = \frac{|EU|}{|EU'|}$
- $\frac{|JU|}{|J'U'|} = \frac{|EU|}{|EU'|}$

4)

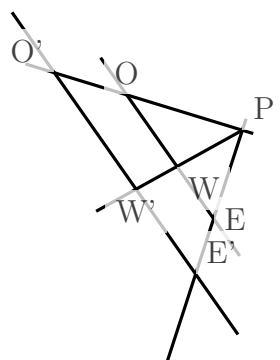
Only one statement is true for each drawing. Which one?

a)



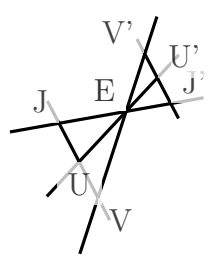
- $\frac{|GO|}{|G'O'|} = \frac{|XO'|}{|XO|}$
- $\frac{|QQ'|}{|GG'|} = \frac{|XQ'|}{|XG'|}$
- $\frac{|XG|}{|XO|} = \frac{|XO'|}{|XG'|}$
- $\frac{|XO|}{|XG|} = \frac{|XG'|}{|XO'|}$

b)



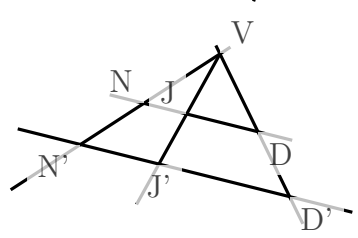
- $\frac{|OE|}{|O'E'|} = \frac{|PE'|}{|PE|}$
- $\frac{|PO|}{|PW|} = \frac{|PO'|}{|PW'|}$
- $\frac{|OE|}{|O'E'|} = \frac{|PO'|}{|PO|}$
- $\frac{|PO'|}{|OO'|} = \frac{|WW'|}{|PW'|}$

c)



- $\frac{|EJ|}{|JJ'|} = \frac{|UU'|}{|EU|}$
- $\frac{|EJ|}{|UU'|} = \frac{|EJ'|}{|J'U'|}$
- $\frac{|EJ|}{|VV'|} = \frac{|EJ'|}{|J'V'|}$
- $\frac{|JJ'|}{|EJ|} = \frac{|UU'|}{|EU|}$

d)



- $\frac{|NN'|}{|VN|} = \frac{|DD'|}{|VD|}$
- $\frac{|JJ'|}{|DD'|} = \frac{|VD|}{|VJ|}$
- $\frac{|NJ|}{|N'J'|} = \frac{|VJ'|}{|VJ|}$
- $\frac{|ND|}{|N'D'|} = \frac{|VD'|}{|VD|}$

Good Luck!