

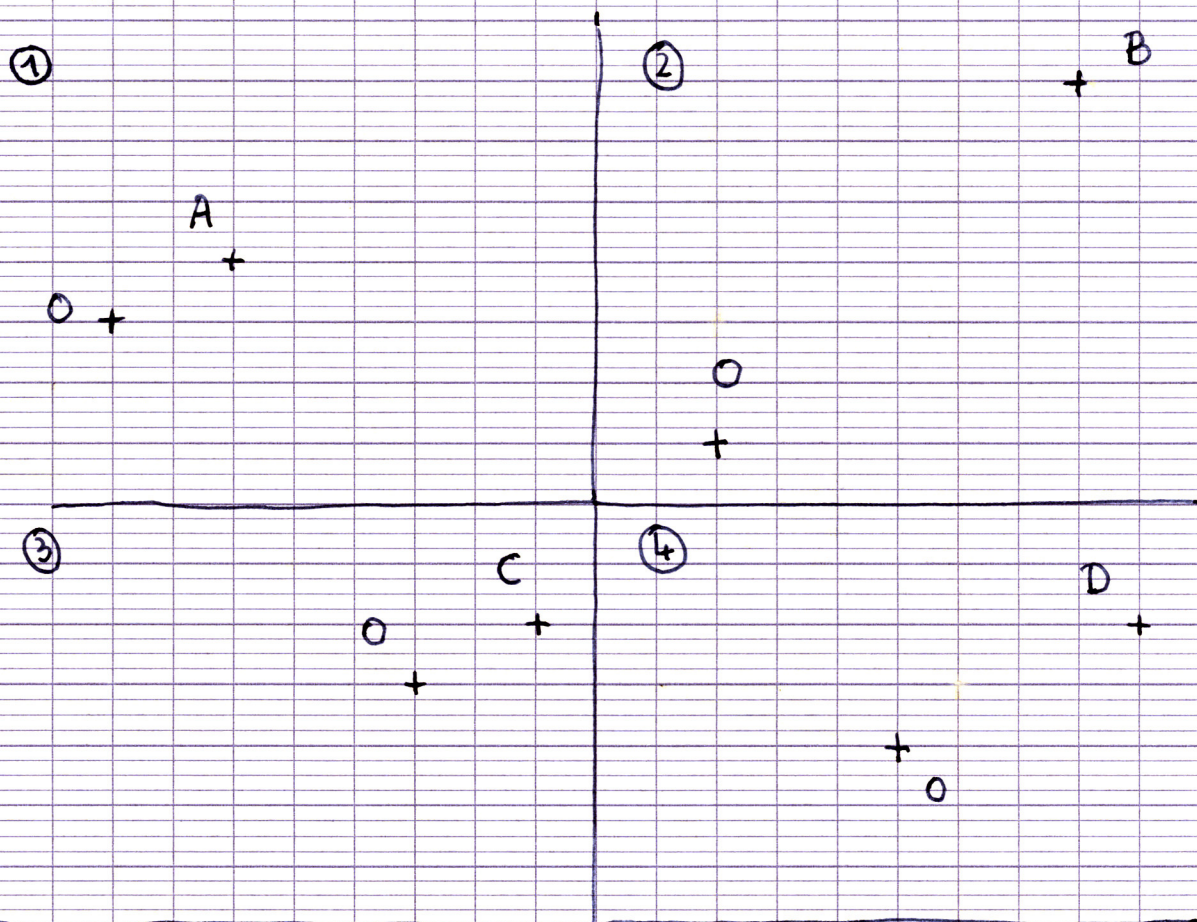
HOMOTHÉTIE sujet

On appelle homothétie de centre O et de rapport k , la transformation du plan qui, à chaque point M associe le point M' tel que :

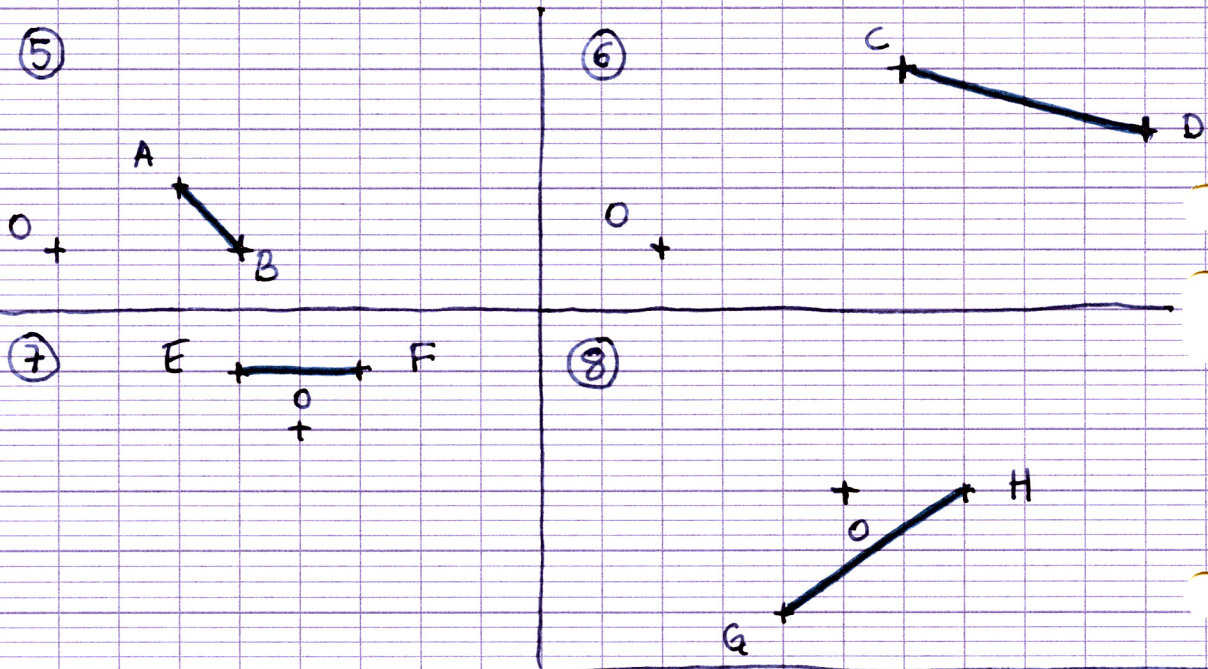
- + O, M et M' sont alignés
- + si $k > 0$, M et M' sont du même côté
- + si $k < 0$, M et M' sont de part et d'autre de O

Conséquence : $OM' = k \times OM$

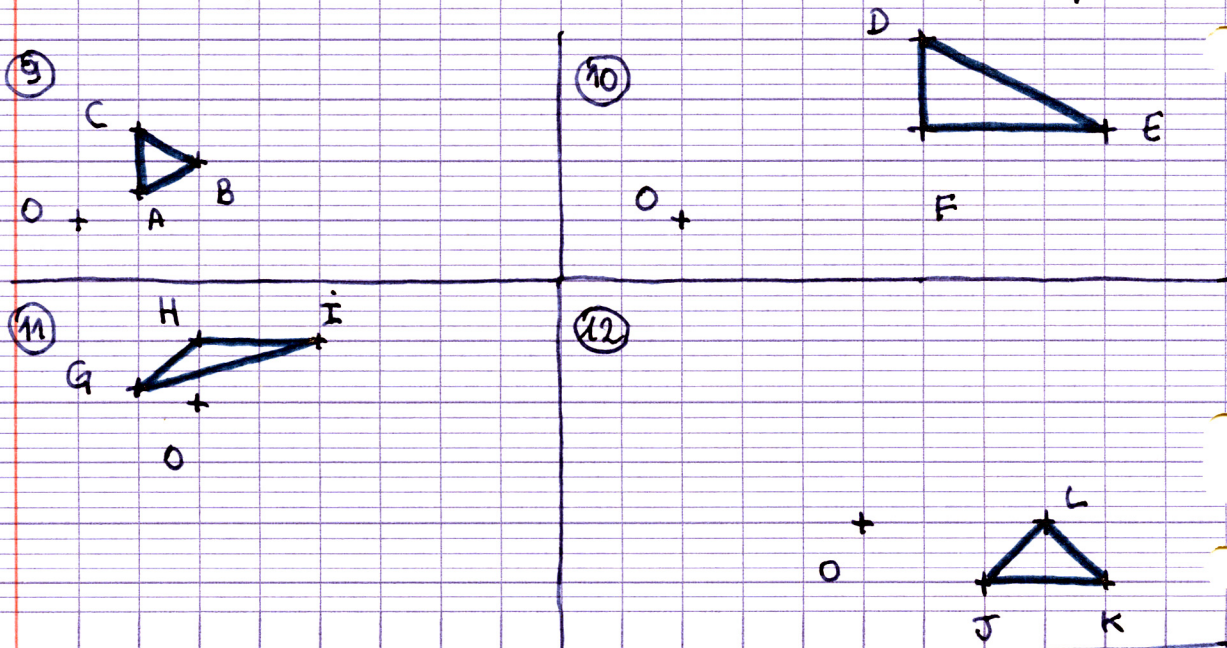
- | | | | | | | |
|---|--------|----|----------|---|-----|------------|
| ① | Tracer | A' | image de | A | par | h(0; 2) |
| ② | | B' | | B | | h(0; 1/2) |
| ③ | | C' | | C | | h(0; -3) |
| ④ | | D' | | D | | h(0; -1/2) |



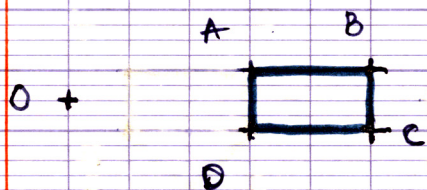
- ⑤ Tracer $A'B'$ image de AB par $h(0; 2)$
 ⑥ $C'D'$ CD par $h(0; \frac{1}{2})$
 ⑦ $E'F'$ EF par $h(0; -3)$
 ⑧ $G'H'$ GH par $h(0; -\frac{1}{2})$



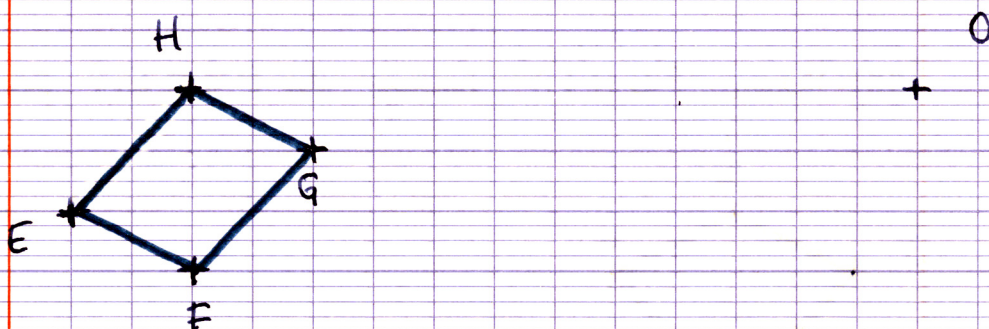
- ⑨ Tracer $A'B'C'$ image de ABC par $h(0; 2)$
 ⑩ $D'E'F'$ DEF par $h(0; \frac{1}{2})$
 ⑪ $G'H'I'$ GHI par $h(0; -3)$
 ⑫ $J'K'L'$ JKL par $h(0; -\frac{1}{2})$



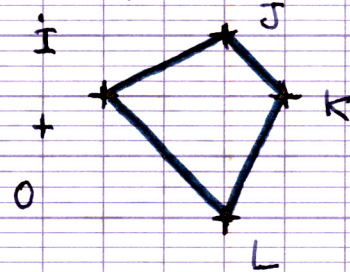
⑬ Tracer $A'B'C'D'$ image de ABCD par $h(0; 2)$



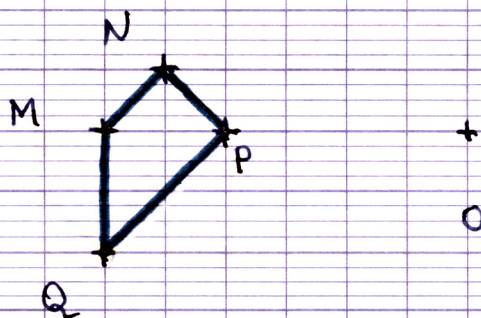
⑭ Tracer $E'F'G'H'$ image de EFGH par $h(0; \frac{1}{2})$



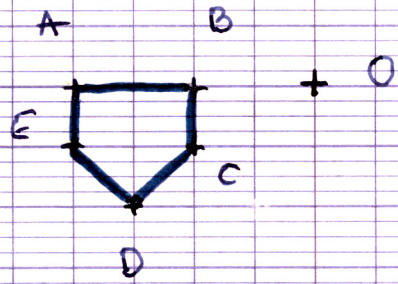
⑮ Tracer $I'J'K'L'$ image de IJKL par $h(0; -3)$



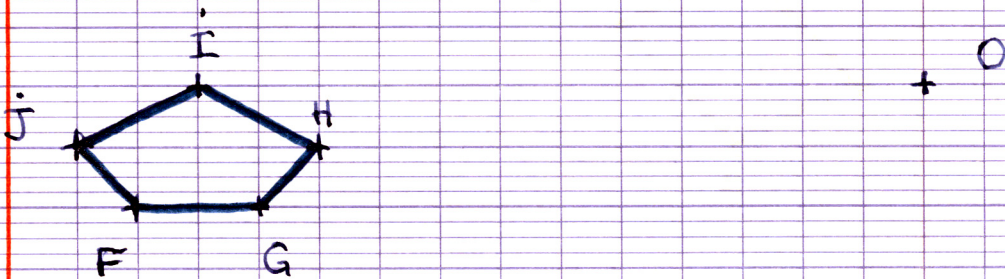
⑯ Tracer $M'N'P'Q'$ image de MNPQ par $h(0; -\frac{1}{2})$



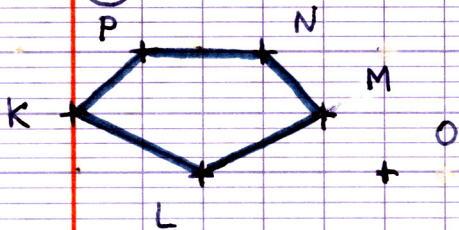
①⑦ Tracer $A'B'C'D'E'$ image de $ABCDE$ par $h(0; 2)$



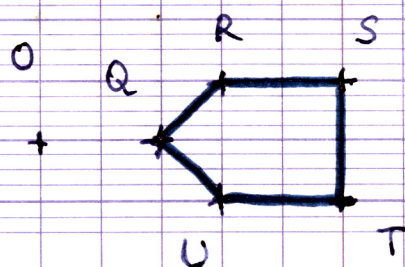
①⑧ Tracer $F'G'H'I'J'$ image de $FGHIJ$ par $h(0; \frac{1}{2})$



①⑨ Tracer $K'L'M'N'P'$ image de $KLMNP$ par $h(0; -3)$

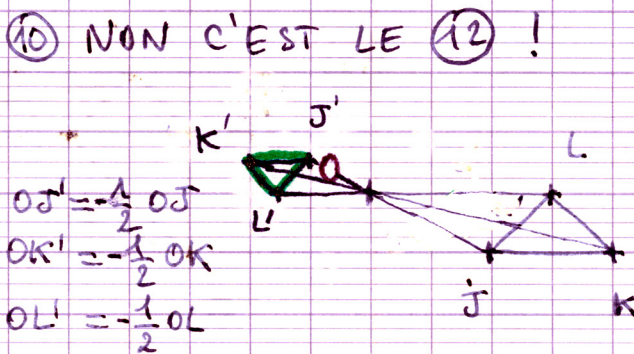
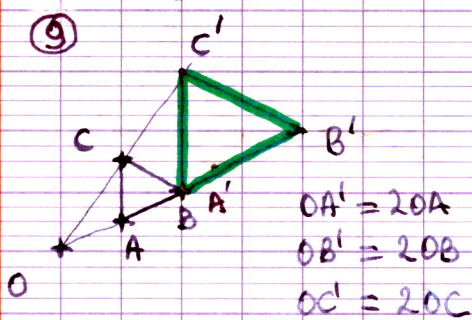
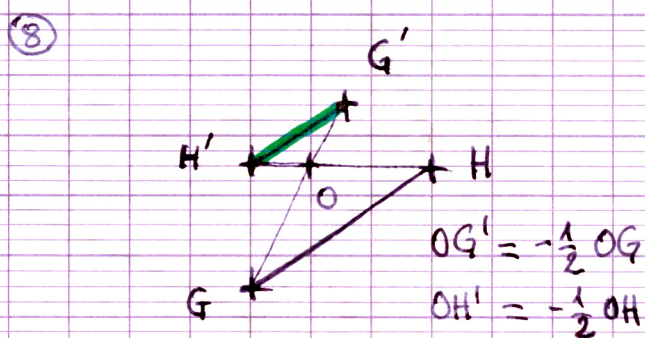
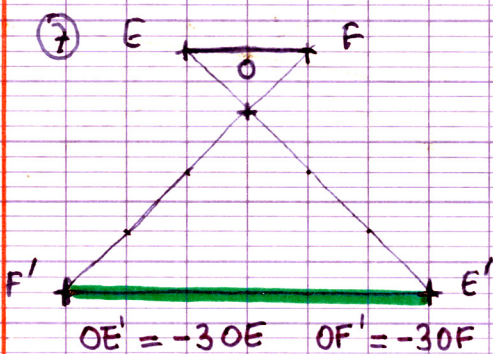
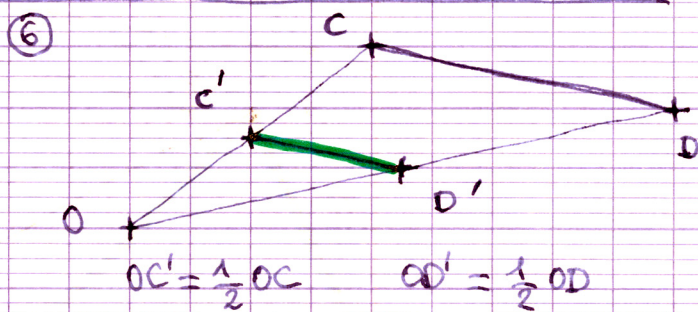
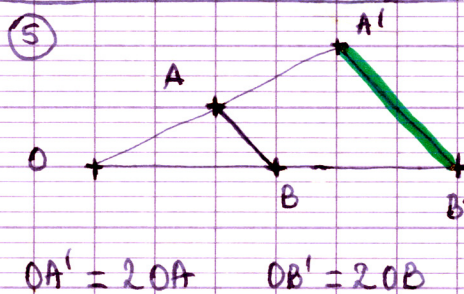
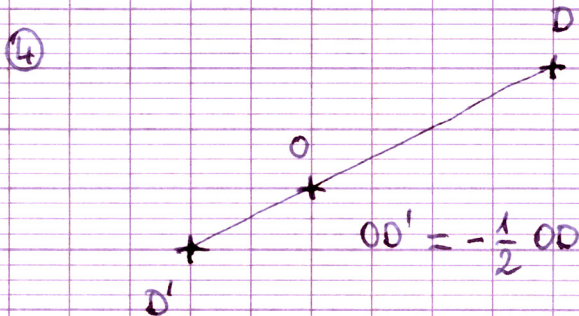
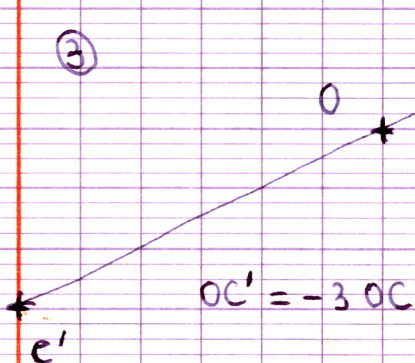
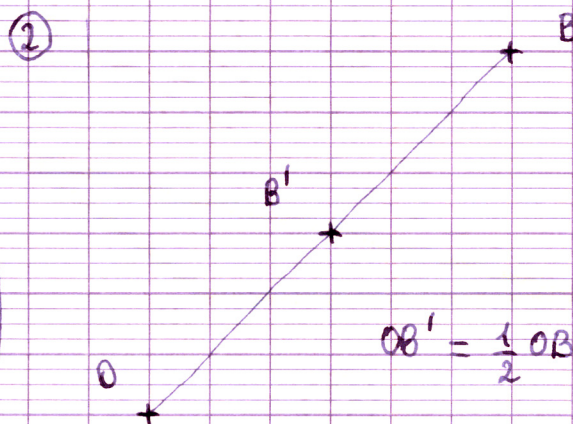
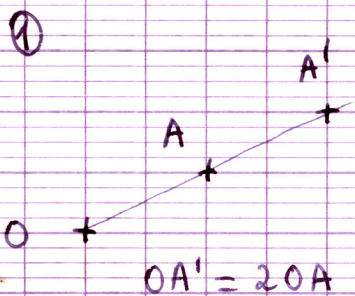


②⑩ Tracer $Q'R'S'T'U'$ image de $QRSTU$ par $h(0; -\frac{1}{2})$

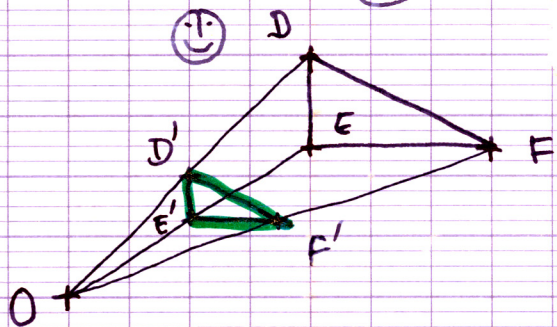
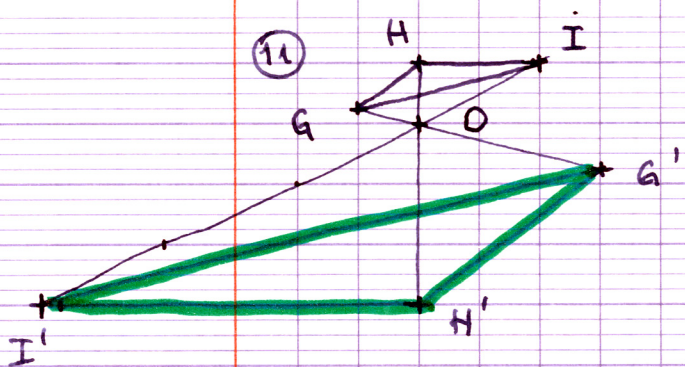


HOMOTHÉTIE

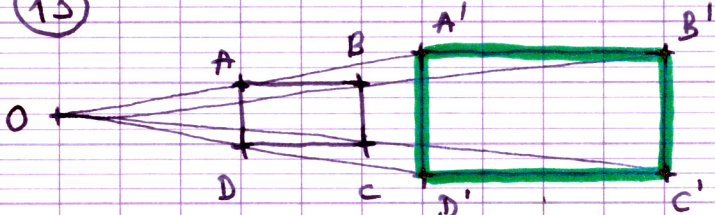
Corrigé



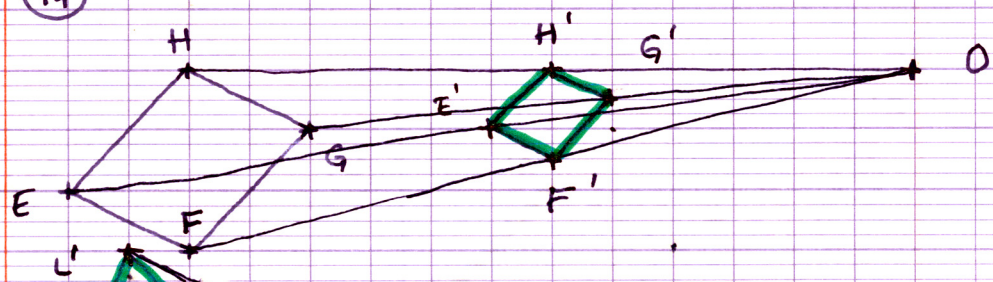
(12) NON C'EST LE (10)!



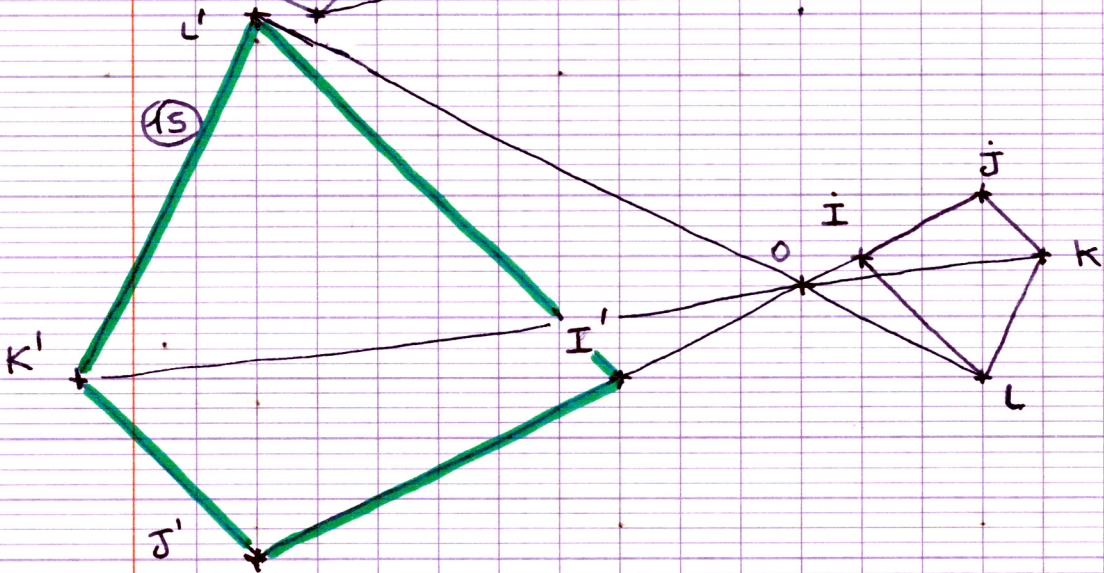
(13)



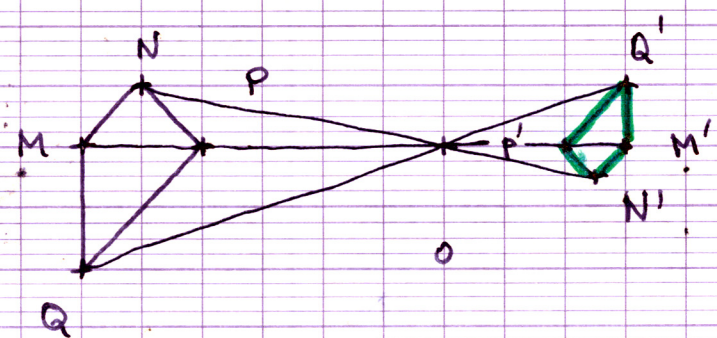
(14)



(15)

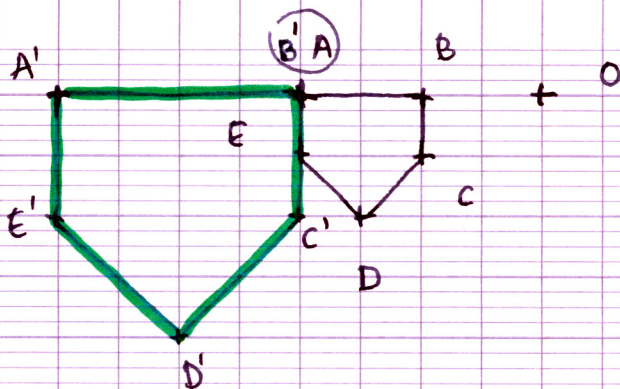


(16)

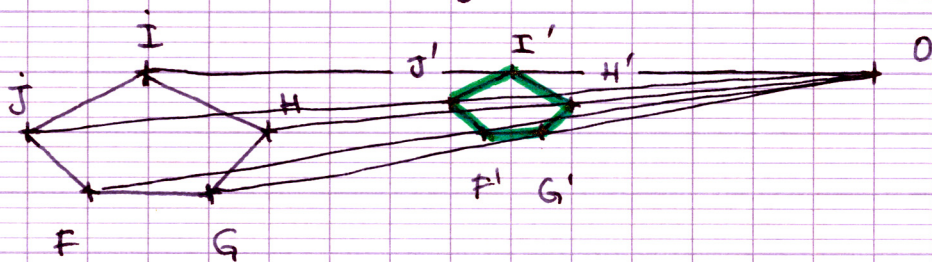


CONFONDUS

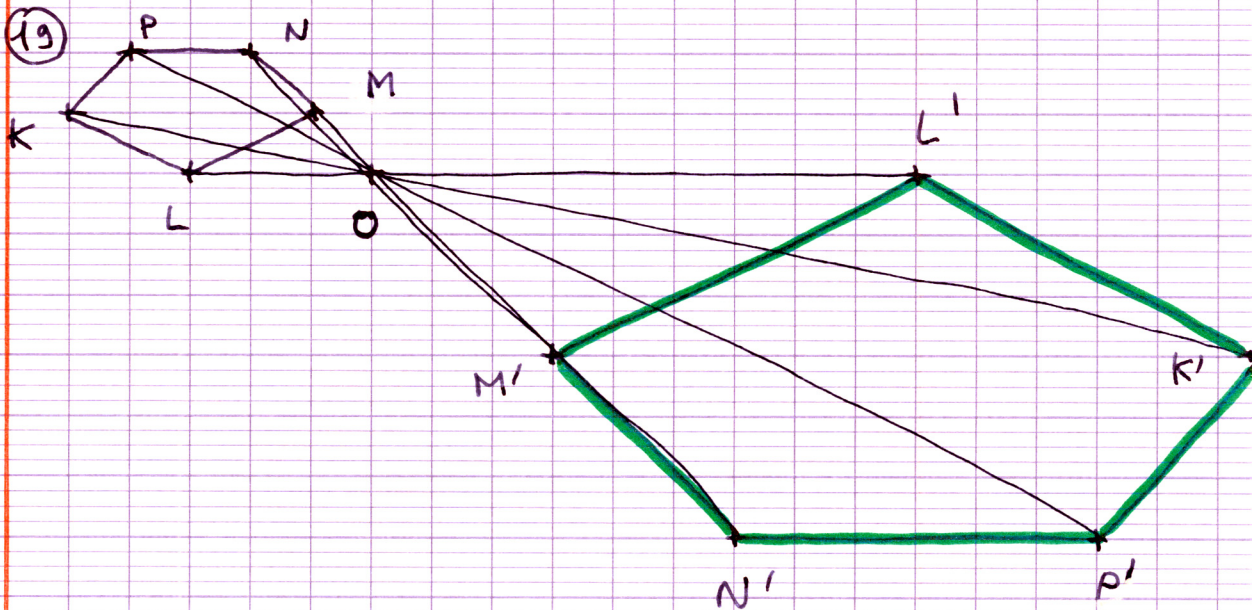
(17)



(18)



(19)



(20)

