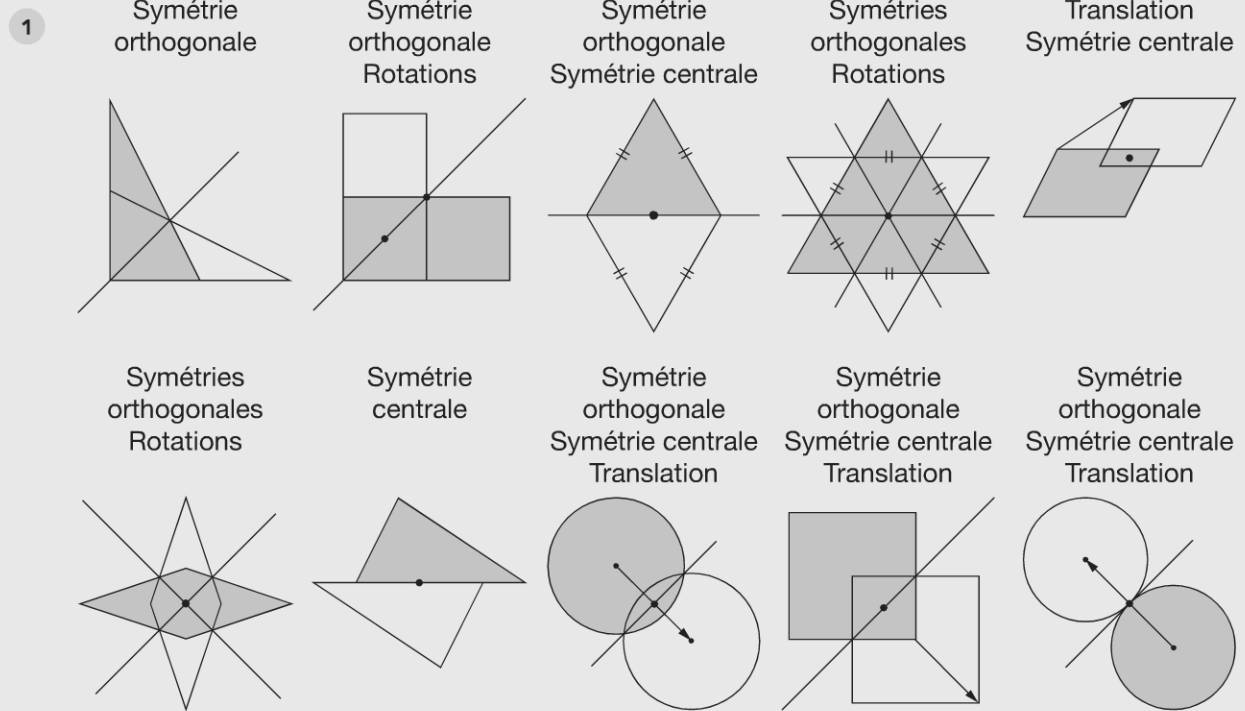


Expliciter les savoirs et les procédures

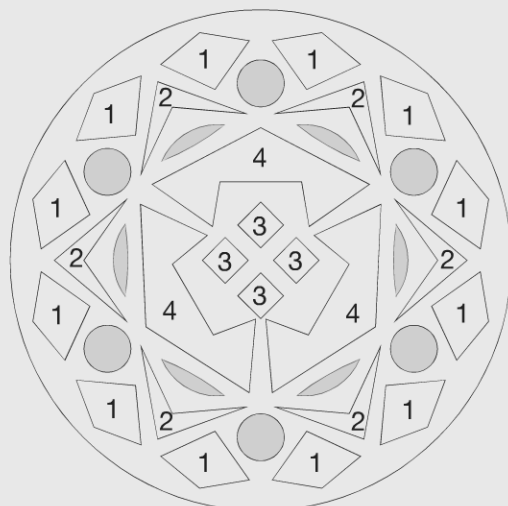


- 2
- | | | | |
|-----------------------|-----------------------|----------------------|-------------------------|
| $S_d : SE$ | $S_d : NE$ | $S_d : N$ | $S_C : E$ |
| $r_{C,135^\circ} : O$ | $r_{C,-45^\circ} : O$ | $r_{C,90^\circ} : N$ | $r_{C,-225^\circ} : SE$ |

- 3
- | | | |
|---------------------------|--------------------------|---------------------------------|
| $S_O(A) = E$ | $r_{O,+45^\circ}(A) = B$ | $S_O([AB]) = [EF]$ |
| $S_O(C) = G$ | $r_{O,+45^\circ}(F) = G$ | $S_O([FH]) = [BD]$ |
| $S_O(D) = H$ | $r_{O,-45^\circ}(B) = A$ | $S_O([BE]) = [FA]$ |
| $S_O(F) = B$ | $r_{O,+90^\circ}(F) = H$ | $S_O([CG]) = [GC]$ |
| $r_{O,+135^\circ}(D) = G$ | $S_O(ABC) = EFG$ | $r_{O,+90^\circ}([AB]) = [CD]$ |
| $r_{O,-135^\circ}(D) = A$ | $S_O(CDF) = GHB$ | $r_{O,+135^\circ}([EG]) = [HB]$ |
| $r_{O,-90^\circ}(C) = A$ | $S_O(CEH) = GAD$ | $r_{O,+45^\circ}([CA]) = [DB]$ |
| $r_{O,+225^\circ}(H) = E$ | $S_O(ACG) = EGC$ | $r_{O,+45^\circ}([DG]) = [EH]$ |

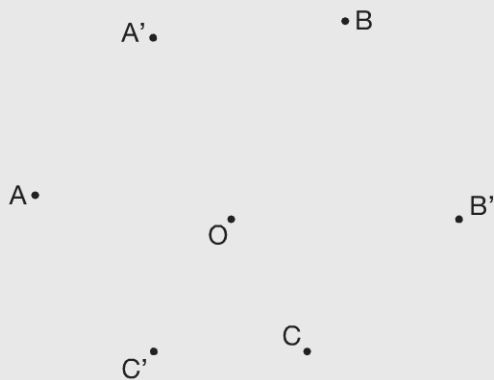
- 4
- | | | | | | | | |
|---------|------|------|------|---------|------|------|------|
| a) 1) V | 2) F | 3) V | 4) V | b) 1) V | 2) V | 3) F | 4) F |
| c) 1) V | 2) F | 3) V | 4) V | d) 1) F | 2) V | 3) V | 4) V |

- 5
- (1) jaune
(2) rouge
(3) bleu
(4) vert

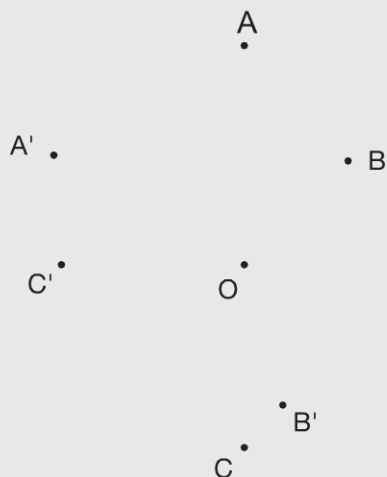


Appliquer une procédure

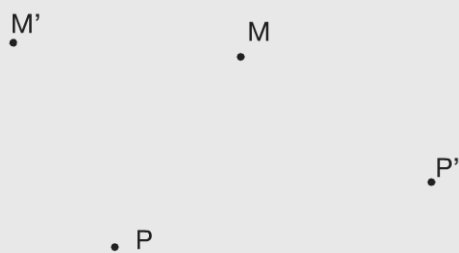
1 a)



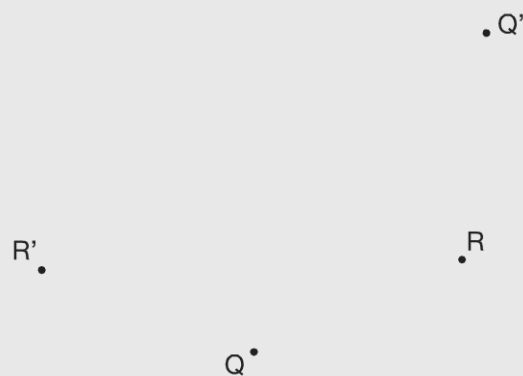
b)



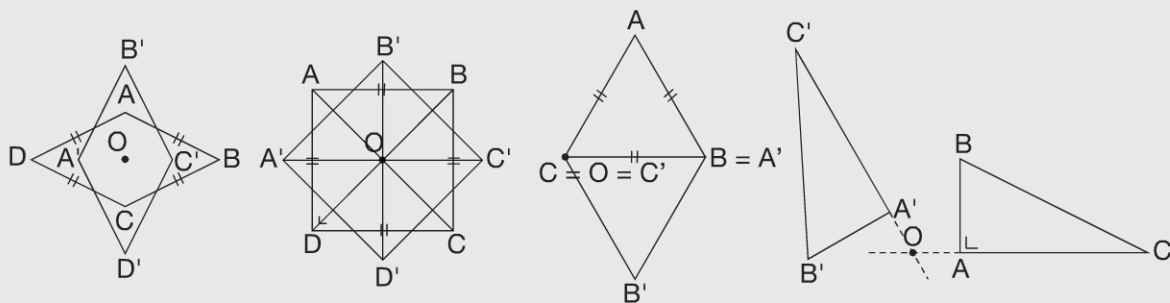
2 a)



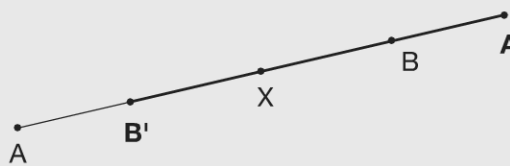
3



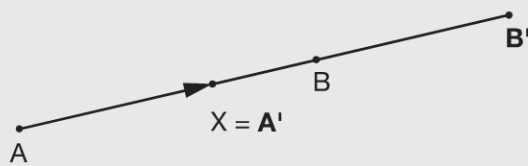
4



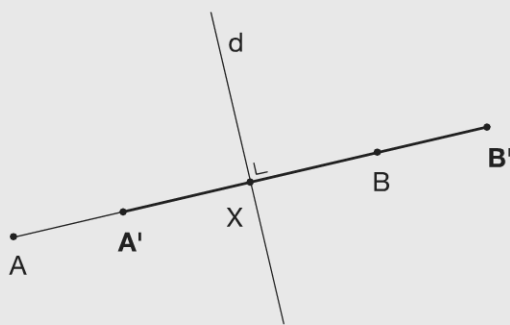
5 a)



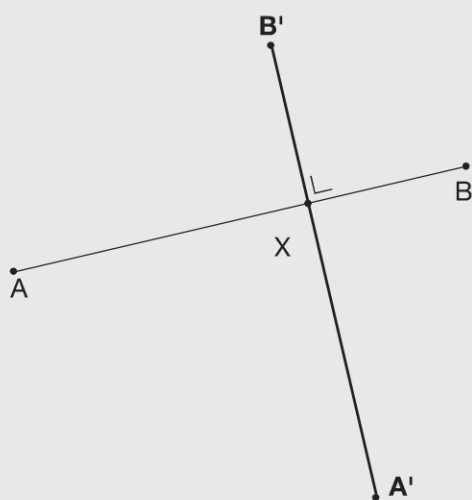
b)

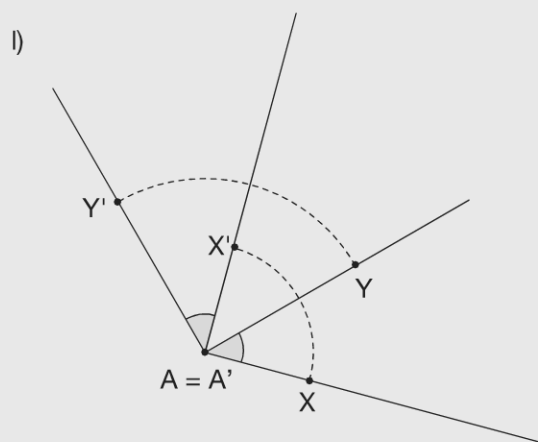
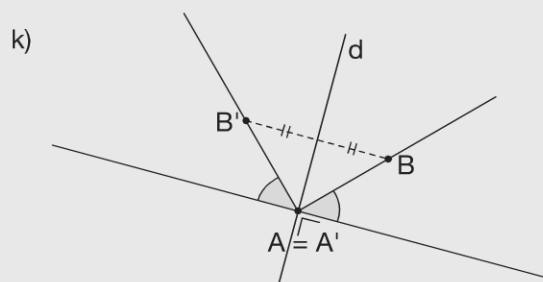
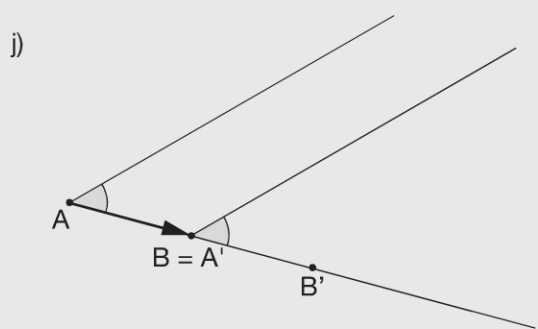
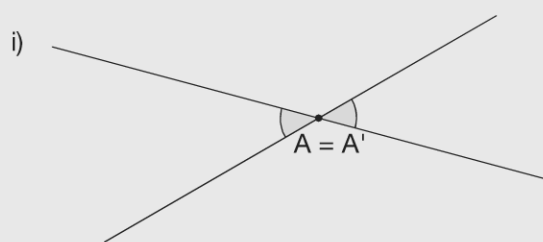
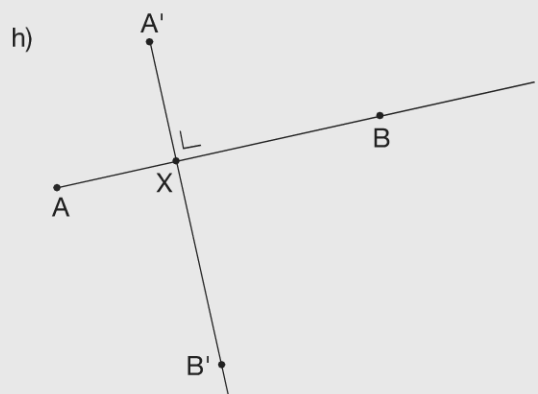
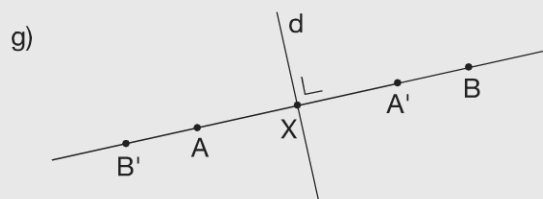
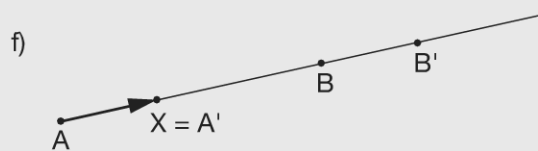
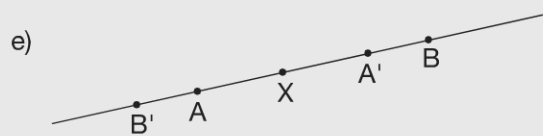


c)

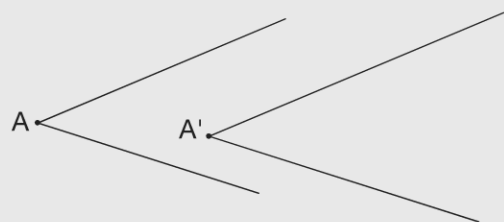


d)

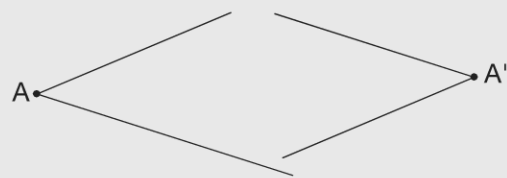




6

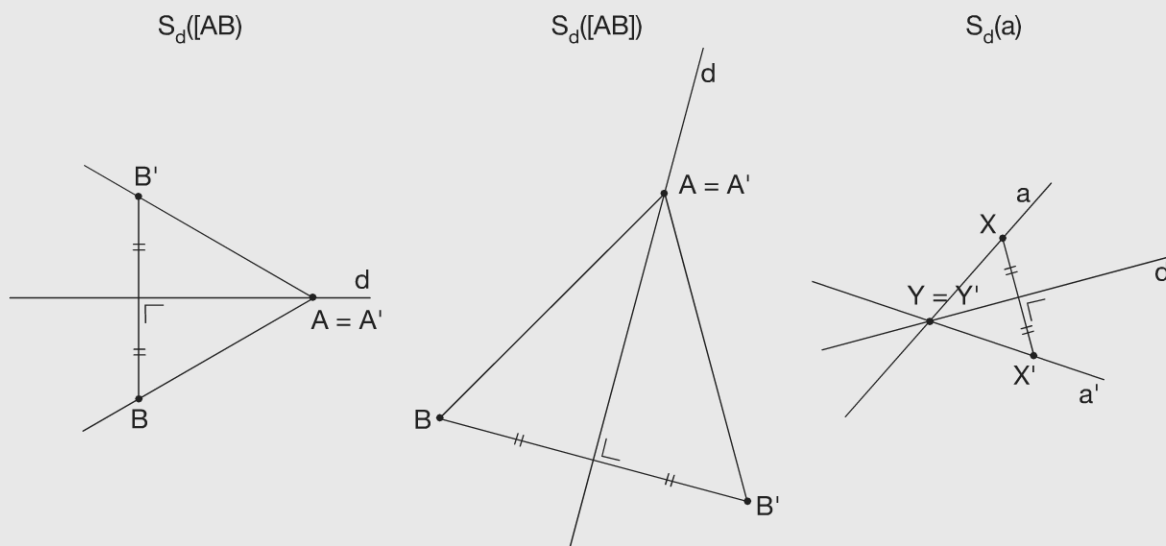


Translation

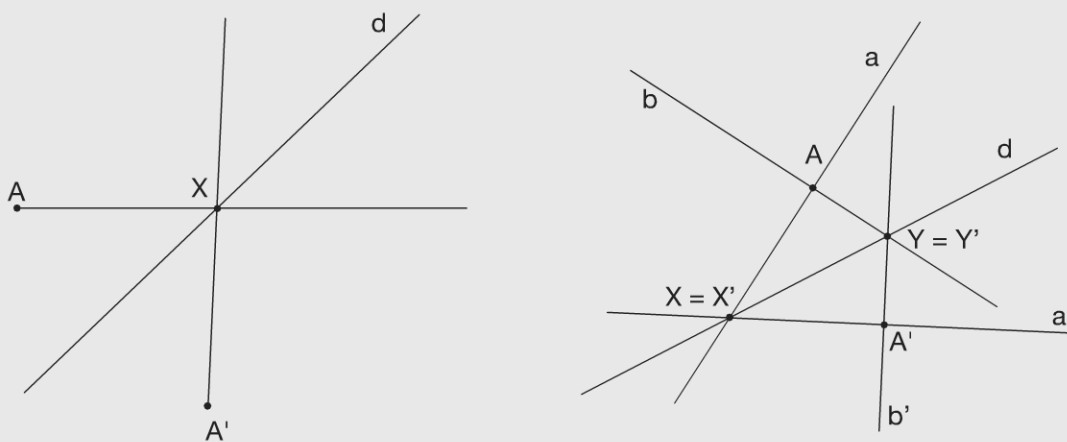


Symétrie centrale

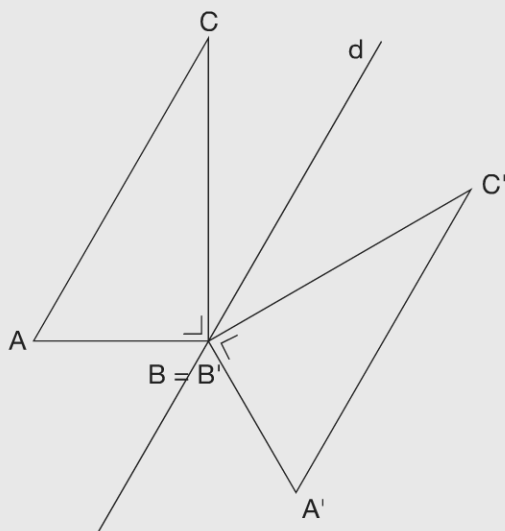
7



8

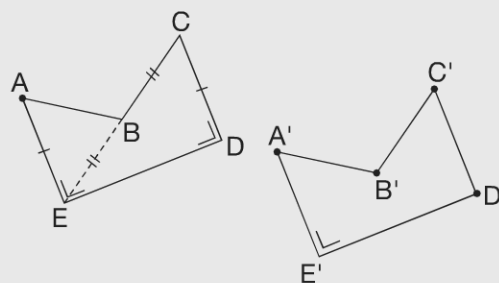


9



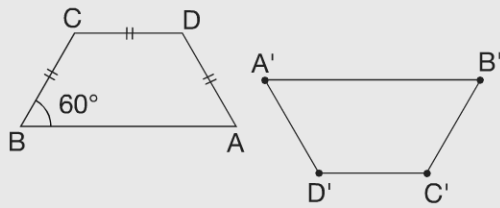
Conservation de la perpendicularité
Conservation des distances

10



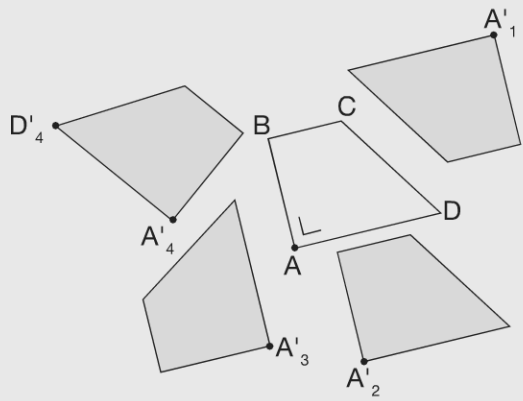
Conservation de la perpendicularité
Conservation des distances
Conservation du milieu
Conservation de la direction et du sens

11



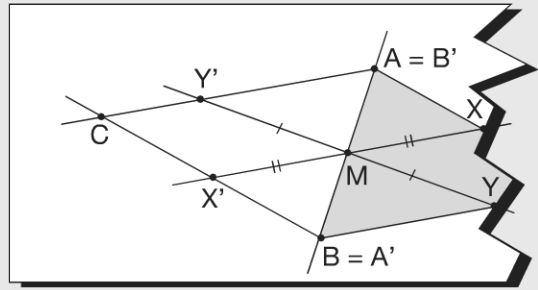
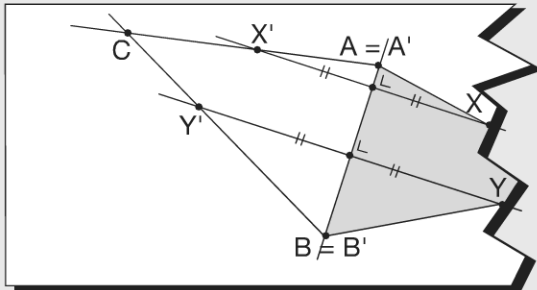
- Conservation de la direction
- Conservation des distances
- Conservation de l'amplitudes des angles
- Conservation du parallélisme

12



Résoudre un problème

1



2

| | | | | | | | | |
|------|------|------|-------|------|-------|-------|------|-------|
| +90° | +45° | -90° | -135° | -60° | +180° | +150° | -90° | +120° |
| I | S | O | M | E | T | R | I | E |

3

| | | | | | | |
|----|-------|-------|------|-------|-------|-------|
| | 1 | 2 | 3 | 4 | 5 | 6 |
| a) | -60° | -120° | -60° | -60° | +120° | +120° |
| b) | +120° | +120° | +60° | +120° | ±180° | ±180° |