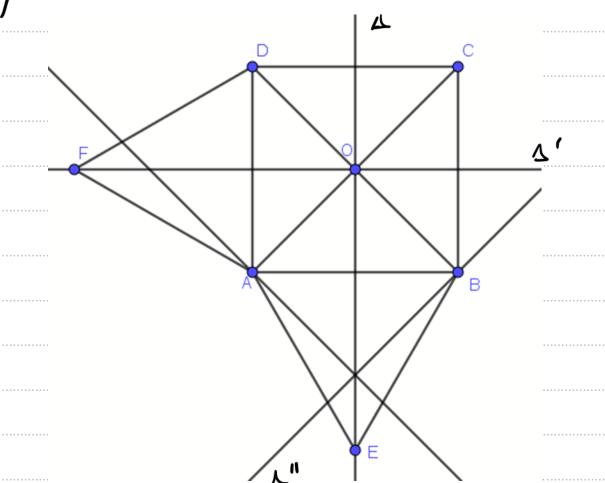
## 4M: S08 - Isométries





(suite Grectier)



P (A) = D A (F) = C

an a: . A = E





$$\mathcal{O}_{R} = \left( \overrightarrow{AF}, \overrightarrow{DC} \right) \left[ \overrightarrow{Z4} \right] \\
= \left( \overrightarrow{AF}, \overrightarrow{AB} \right) \left[ \overrightarrow{Z1} \right] \\
= \left[ \overrightarrow{V_3}, \left[ \overrightarrow{Z4} \right] \right] \neq 0 \left[ \overrightarrow{24} \right]$$

or ) 
$$FA = FD$$
  

$$\begin{cases} (FA, FB) = \frac{1}{3} \sum_{i=1}^{3} \frac{1}{3} \Rightarrow \mathcal{D} = F \end{cases}$$









Q:	= 5 (b)	5105	0	S Uhc,	
	E	2 A6 =	t va Ac		
=	L Ac	<i>o</i> S	Ac,	Ac J	Leve Ac∤
Lone	الا جا				
de	vecler	Ac	eb 1'a	ne (A	( )





		D /	/ /S	
		$\wedge$		
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	F			
	Ω			
G				Ε
$\prec$				
		F,		
/		•		





1) fisserble fixe ABCU

a P([Ac]) = [Ac]

g (ABCD) = ABCD

=> P(\frac{1}{2} A, B, c, D\frac{1}{2}) = \frac{1}{2} A, B, c, D\frac{1}{2}

( rectangle circais cuit an lasarque ABCB en glabalent invariant)

 $\star$  so P(A) = B  $\star$ ,  $B, c, D \rightarrow A, k, c, D$ 

=> } /8, c. D / = {A, c. D}

=> 8 (BCD) = ACD inp

or Bold elquilalerale or ACD topulaterale oquilalerale





$$\Rightarrow \begin{cases} \begin{cases} \begin{cases} b,c,b \end{cases} \end{cases} = \begin{cases} \begin{cases} A,B,c \end{cases} \end{cases}$$

on devieur ABC n'est pos équilational

Lone P(A) = \ A, < 3

De neu SGIEZA, CJ.

=> & & A,C & = & A,C &

=> P(TAC] = SAC]

PEBOJ = [BO] GL P[B,D] = [B,D]

a. K.B. K.B. J.D





\* 
$$P[AC] = [AC]$$
 $O = A * C$ 
 $O = A * C$ 

$$\frac{\partial G}{\partial x}$$
,  $\frac{\partial G}{\partial x}$   $\frac{\partial G}{\partial x}$ 





$$\begin{cases}
A = c = S(A) \\
B(B) = D = S(B) \\
C = A = S(C)
\end{cases}$$

$$A, B, C, now alwaysin.$$





$$S_{\lambda} = R(A, \alpha)$$

$$d = a(cA, CA)[2u]$$





6)	gz	RC	-,-i/3\	0	2 (A;	7/3)
	<u> </u>	D I	S/A,	0 %	/ 1 C I	S (A)
	501					
	12 //					
<i>⊃</i> )	g = (FD)	ta i		on F	C(A!	31 (F1
G						
	oh (A -> (F	3) //(	e qui			

