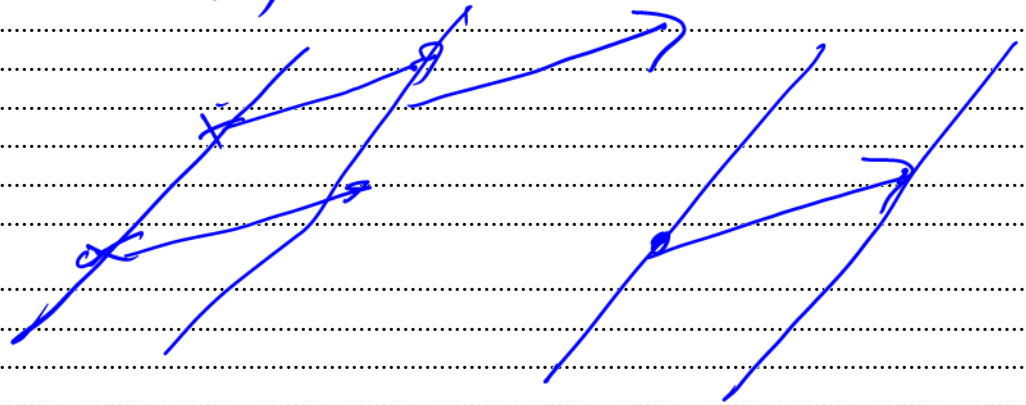


8/3/2029

Série de révision (28/2)

Exercice 04

8/(95122)/29
5012
↑1) $\xrightarrow{AB} (AI)$  $((\Delta // (AI)$ $A \in (AI) \text{ et } B \in \Delta \text{ et } \xrightarrow{AB} (A) \simeq B$ donc $\xrightarrow{AB} ((AI)) = \Delta$

21a) Montrons que $\xrightarrow{AB} CC) = L$

$$(CL) \cap (AB)$$

$$\text{et } S_I(B) = C \text{ car } I = B \times C$$

$$\text{donc } S_I(AB) = (CL)$$

$$S_I(AI) = (AI)$$

$$A \in (AB) \cap (AI)$$

$$\text{donc } S_I(A) \in (CL) \cap (AI) = \{L\}$$

$$\text{ontrouve } S_I(A) = L \text{ car } I = A \times L$$

$$A \times L = B \times C \text{ car } AB = CL$$

$$\text{et ontrouve } \xrightarrow{AB} (C) = L$$

2) b)

$$C\bar{L} = \bar{A}\bar{B} \text{ dac } \underset{AB}{\vdash} (CL) = (CL)$$

$$\text{et on a } \underset{AB}{\vdash} (A\bar{F}) = \Delta$$

$$L \in (CL) \cap (A\bar{F})$$

$$\text{dac } \underset{AB}{\vdash} (L) \in (CL) \cap \Delta = \{K\}$$

$$\text{on trouve: } \underset{AB}{\vdash} (L) = K$$

$$3) \text{ Montrons que } \underset{AB}{\vdash} (M) = N$$

$$e \text{ de diamètre } [AC]$$

$$\underset{AB}{\vdash} ([AC]) = [BL]$$

$$\text{et } e' \text{ de diamètre } [BL]$$

$$\text{donc } \underset{AB}{\vdash} (e) = e'$$

$$\underset{AB}{\vdash} (C(AB)) = (AB)$$

