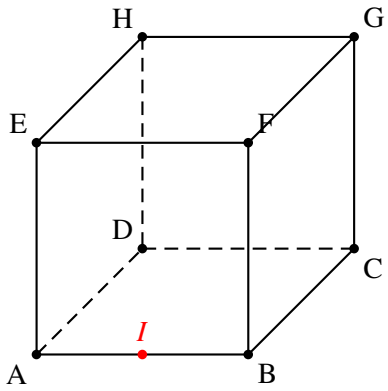
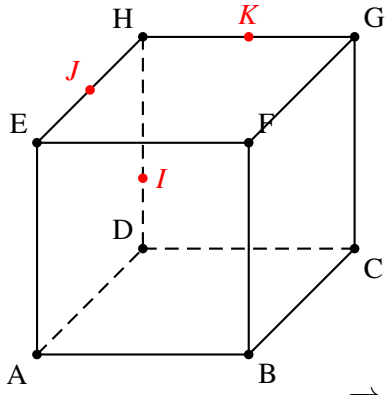
Exercice 1

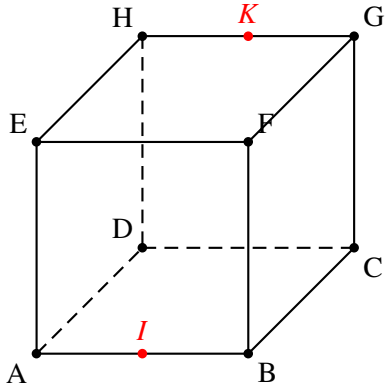
Dans chacune des figures qui suit, déterminer la section par le plan indiqué.



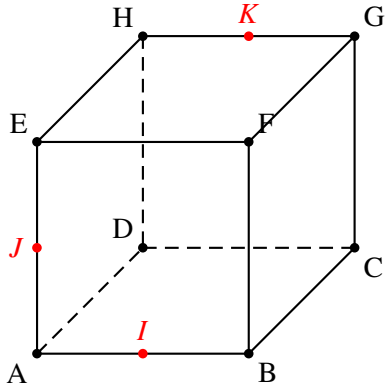
(a) Plan (FID), avec I milieu de $[AB]$



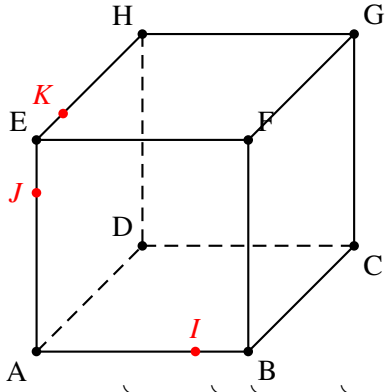
(b) Plan (IJK), J et K des milieux et $\overrightarrow{DI} = \frac{1}{3}\overrightarrow{DH}$



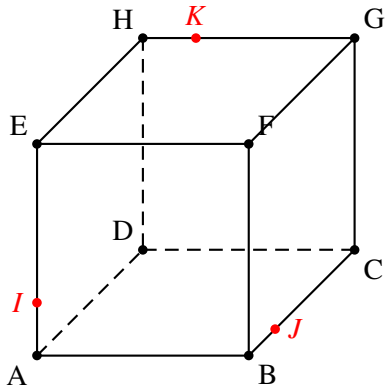
(c) Plan (KIF), I et K des milieux d'arêtes



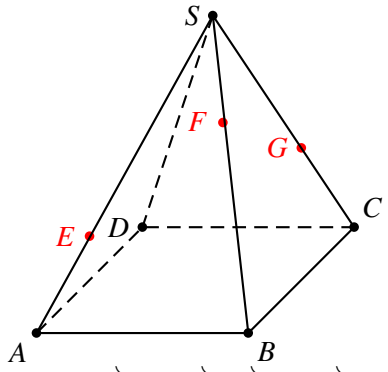
(d) Plan (IJK), avec I, J et K milieux d'arêtes



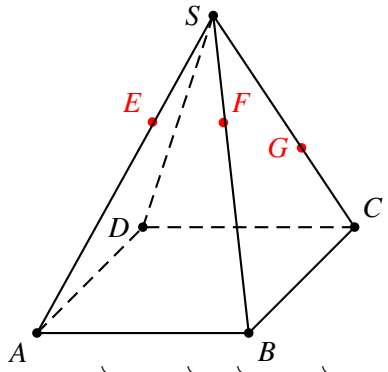
(e) Plan (IJK) avec $\overrightarrow{AI} = \frac{3}{4}\overrightarrow{AB}$,$\overrightarrow{AJ} = \frac{3}{4}\overrightarrow{AE}$ et $\overrightarrow{EK} = \frac{1}{4}\overrightarrow{EH}$



(f) Plan (IJK) : construire d'abord $(BCK) \cap (ADH)$, puis $(JK) \cap (ADH)$.



(g) Plan (EFG), $\overrightarrow{SG} = \frac{3}{5}\overrightarrow{SC}$, $\overrightarrow{SF} = \frac{1}{3}\overrightarrow{SB}$ et $\overrightarrow{SE} = \frac{2}{3}\overrightarrow{SA}$



(h) Plan (EFG), $\overrightarrow{SG} = \frac{3}{5}\overrightarrow{SC}$, $\overrightarrow{SF} = \frac{1}{3}\overrightarrow{SB}$ et $(EF) \parallel (AB)$