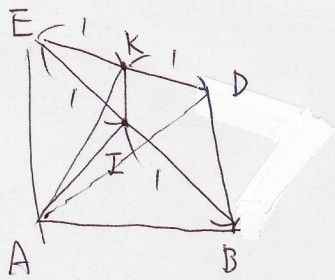
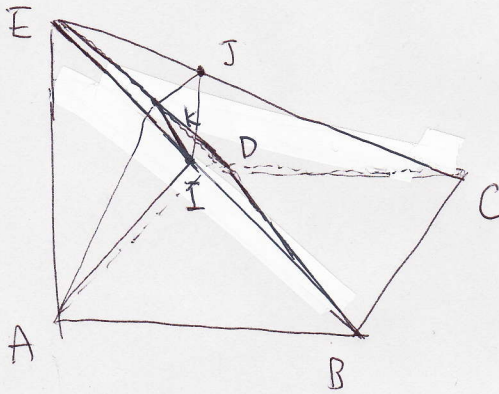
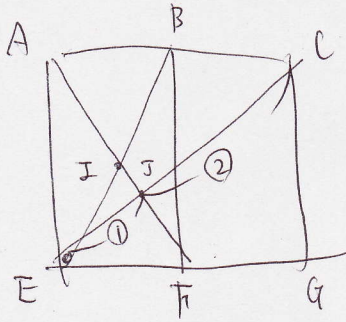
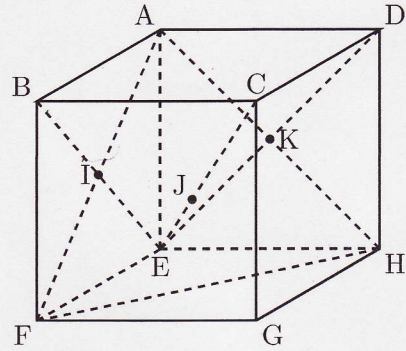
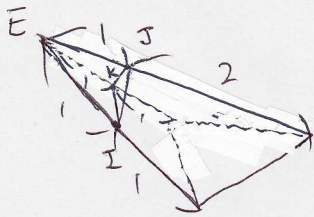




右の図は、1辺の長さが6cmの立方体です。四角すいE-ABCDを3点A, F, Hを通る平面で切ったとき、この平面と辺BE, CE, DEとが交わる点をそれぞれI, J, Kとします。四角すいE-AIJKの体積は cm³ です。



$$\text{三角すい } E-AIK = 36 \times \frac{1 \times 1 \times 1}{2 \times 2 \times 1} = 9 \text{ cm}^3$$



$$\text{三角すい } E-IJK = 36 \times \frac{1 \times 1 \times 1}{2 \times 2 \times 3} = 3 \text{ cm}^3$$

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$$\begin{array}{r} 9.7 \\ 12 \text{ cm}^3 \\ \hline 4 \end{array}$$

