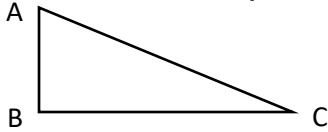


Nous avons besoin de déterminer

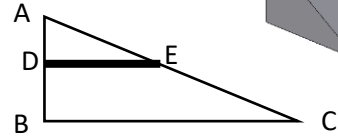
Pavillon du Futuroscope

La dimension AC du triangle ABC

La dimension DE de la plateforme sur laquelle est posée la boule

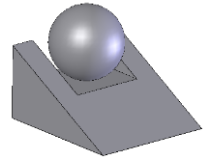


$$AC^2 = AB^2 + BC^2$$



$$BC : DE = AB : AD = AC : AE$$

$$BC : AB = DE : AD$$



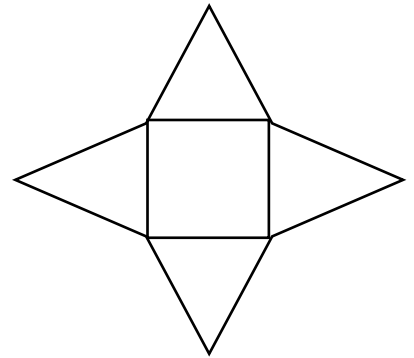
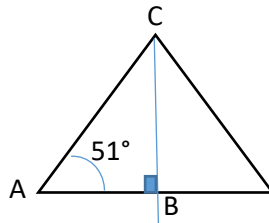
Pyramide du Louvre

La hauteur de la pyramide BC

La longueur AC

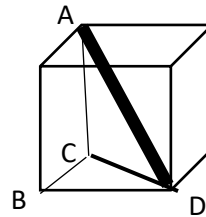
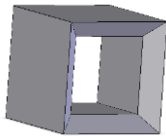
$$AC^2 = AB^2 + BC^2$$

$$\cos 51^\circ = AB : AC$$



Arche de la Défense

La longueur de la diagonale d'un cube



$$\text{Triangle CBD : } CB^2 + BD^2 = CD^2$$

$$\text{Puis dans le triangle ACD : } AC^2 + CD^2 = AD^2$$

$$AD^2 = CB^2 + BD^2 + AC^2$$