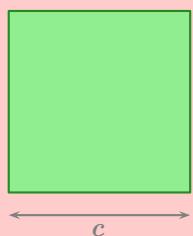




FORMULES (RAPPELS)

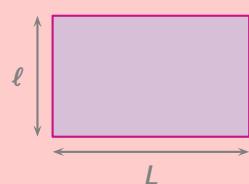
Carré



$$\mathcal{P} = \dots$$

$$\mathcal{A} = \dots$$

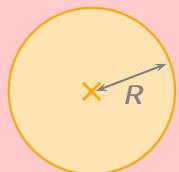
Rectangle



$$\mathcal{P} = \dots$$

$$\mathcal{A} = \dots$$

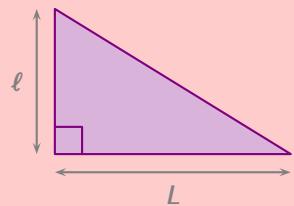
Disque



$$\mathcal{P} = \dots$$

$$\mathcal{A} = \dots$$

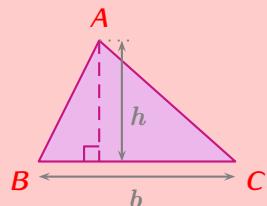
Triangle rectangle



$$\mathcal{P} = \dots$$

$$\mathcal{A} = \dots$$

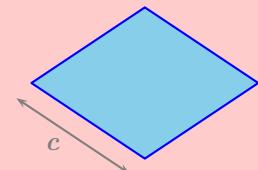
Triangle quelconque



$$\mathcal{P} = \dots$$

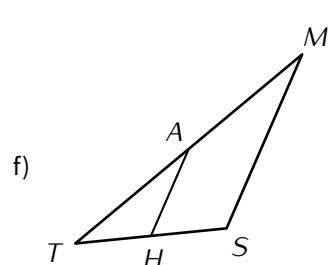
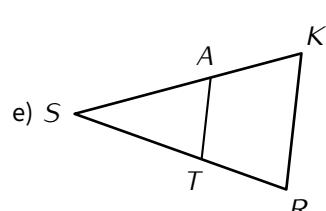
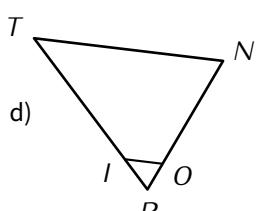
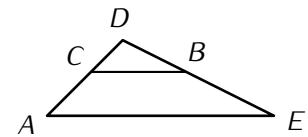
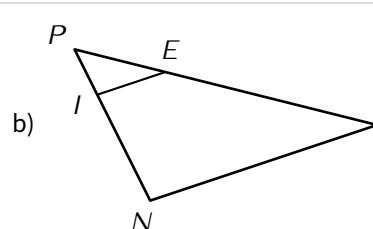
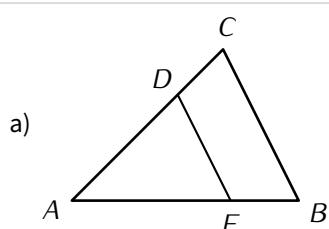
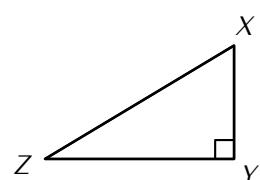
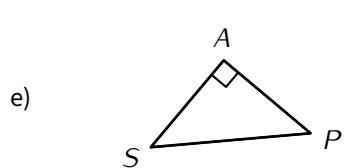
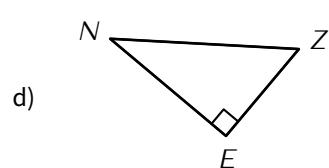
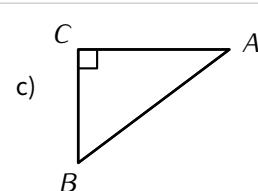
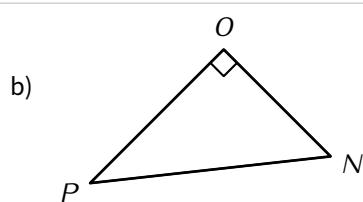
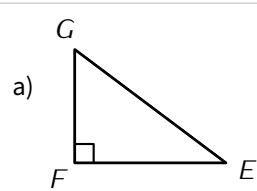
$$\mathcal{A} = \dots$$

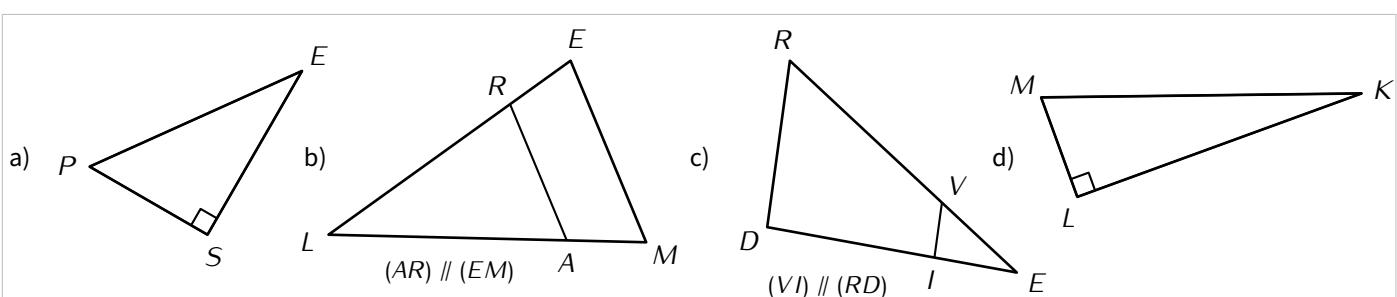
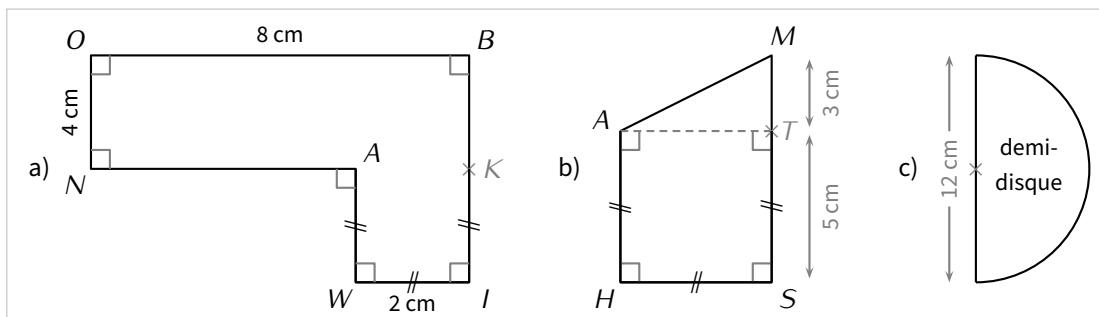
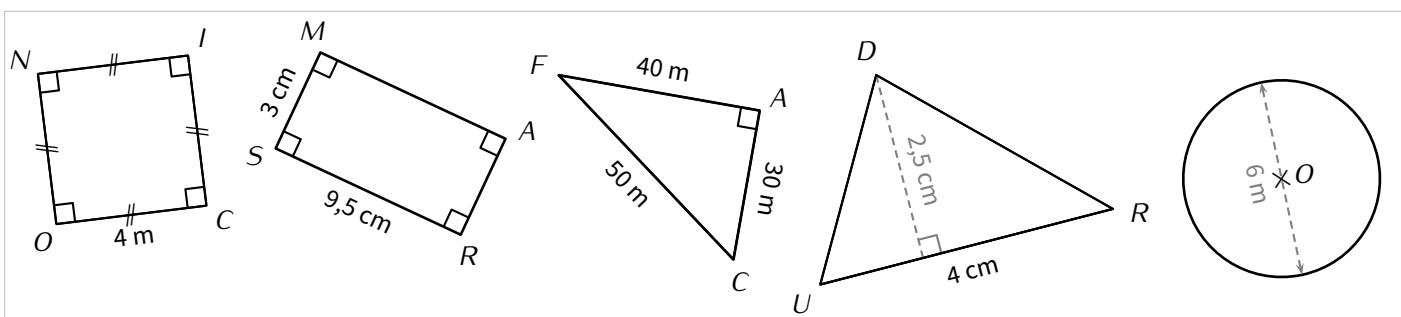
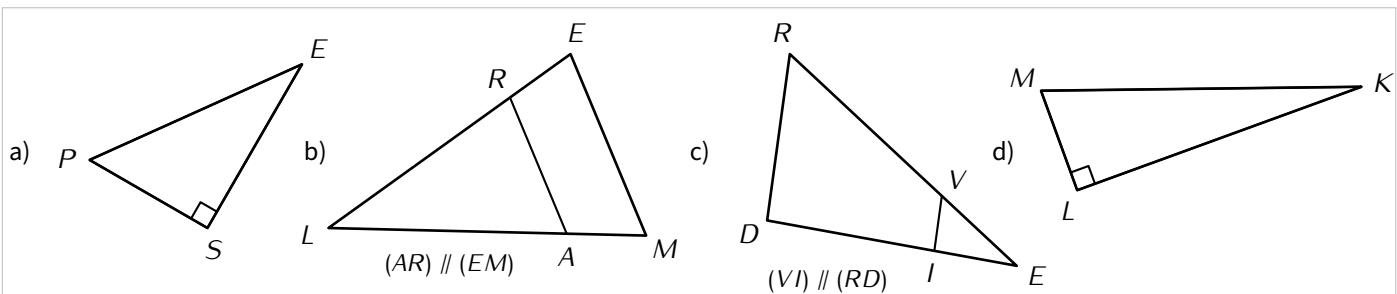
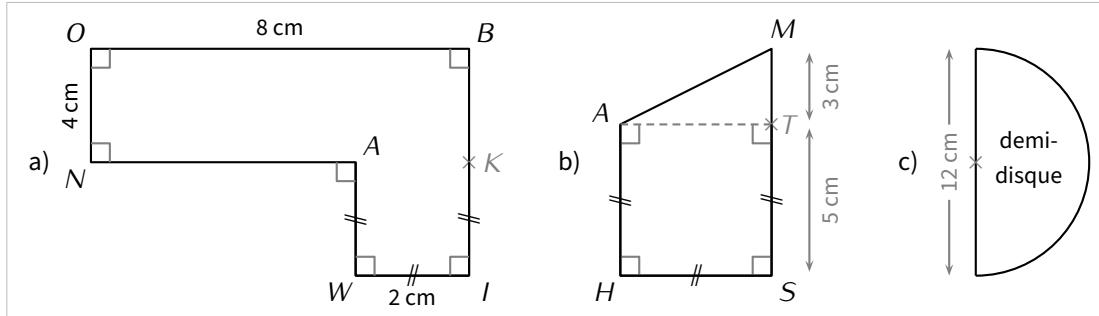
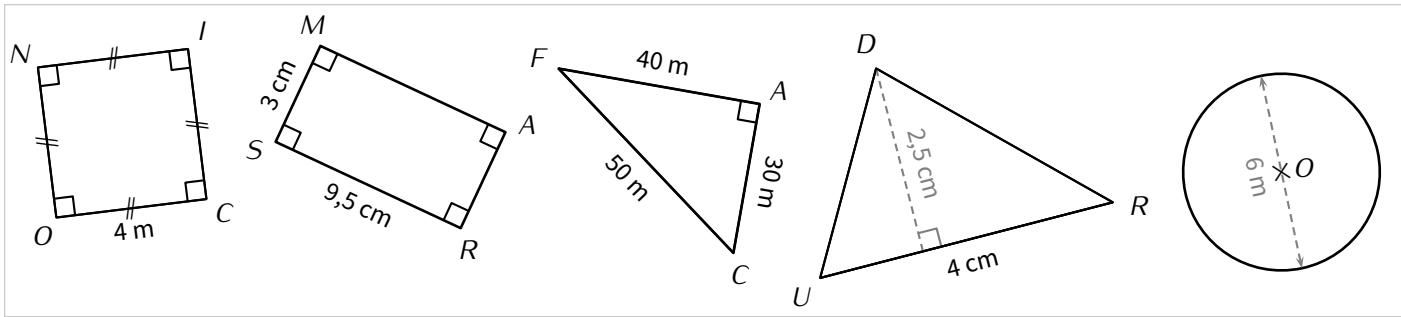
Losange



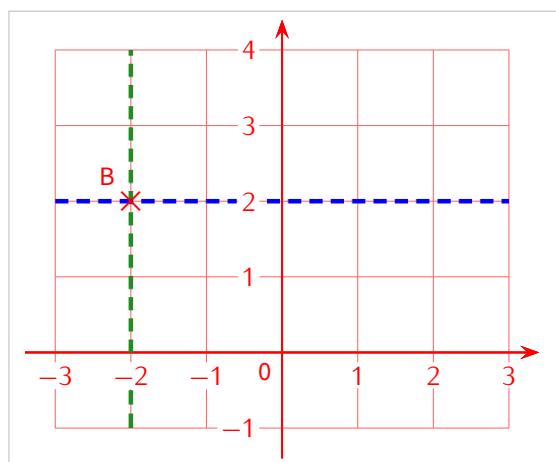
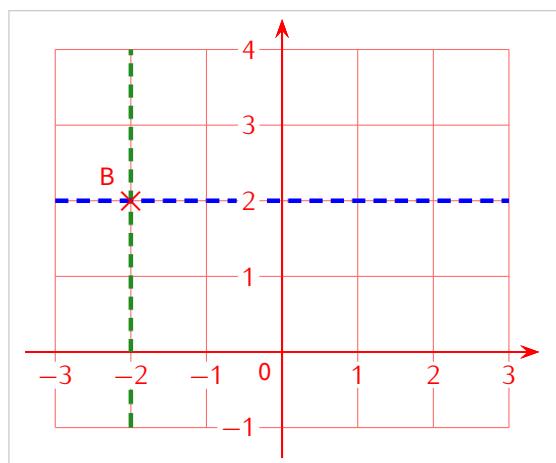
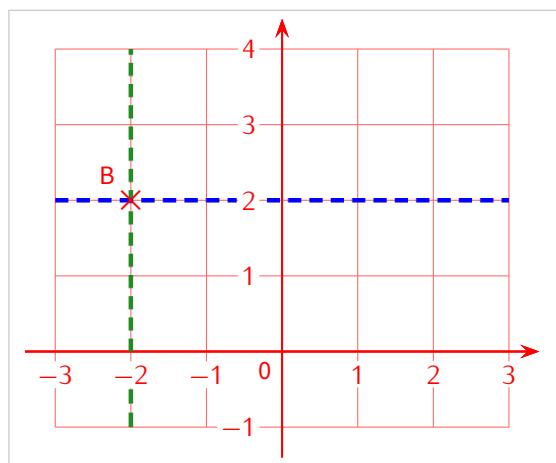
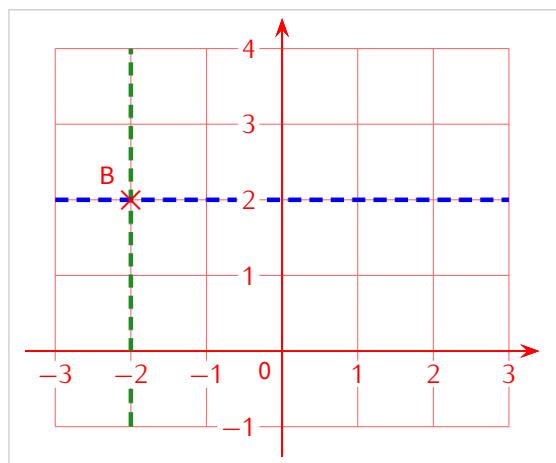
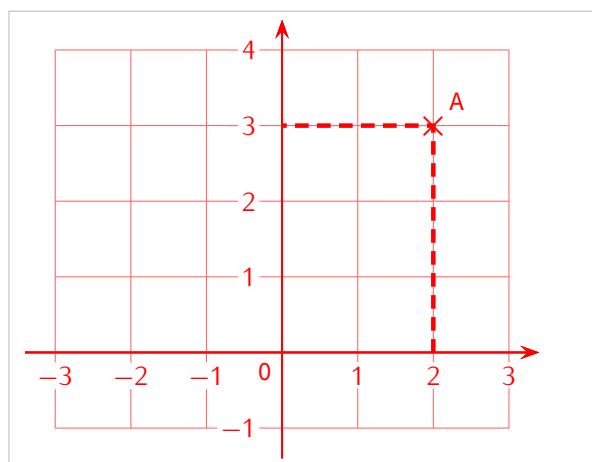
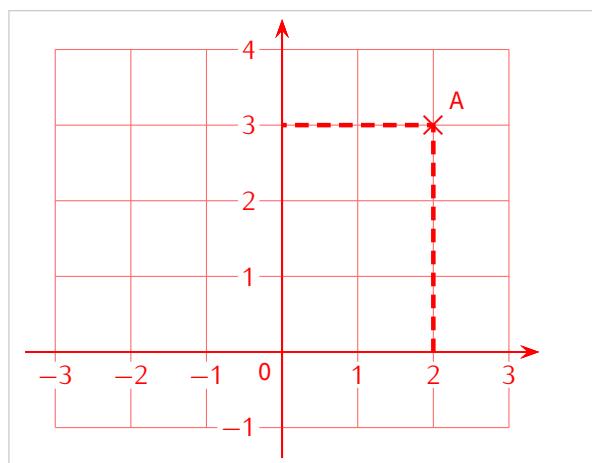
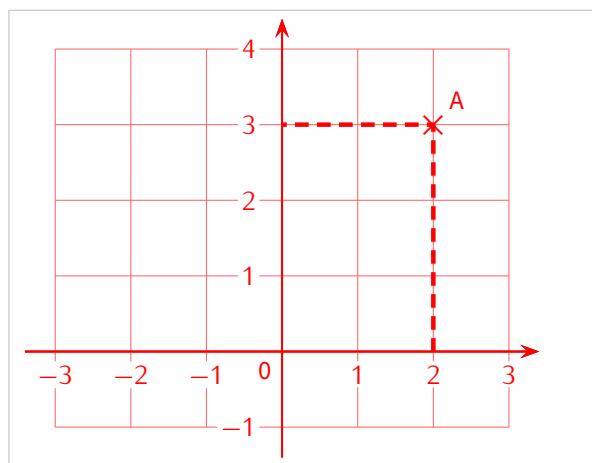
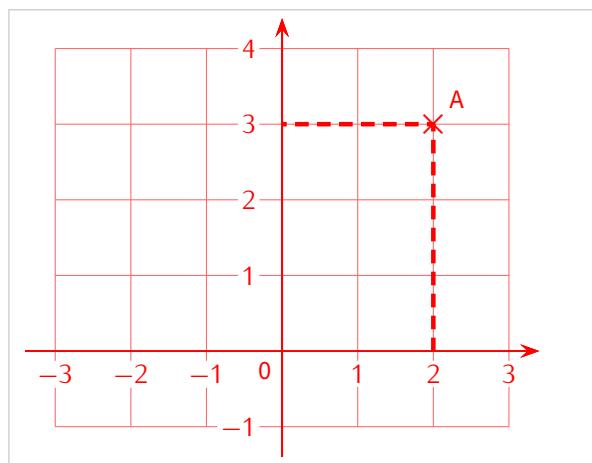
$$\mathcal{P} = \dots$$

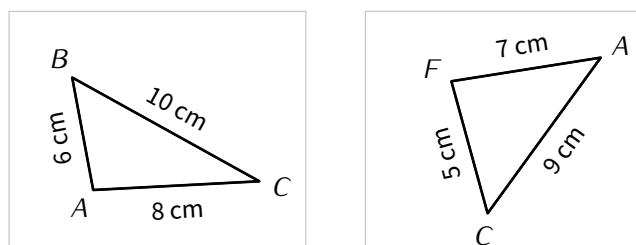
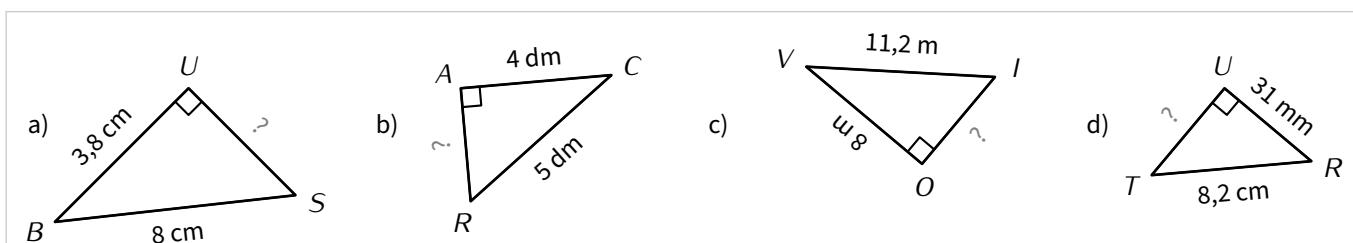
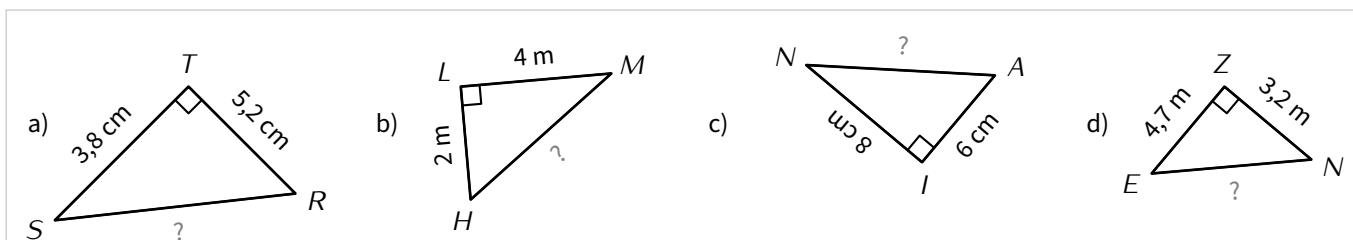
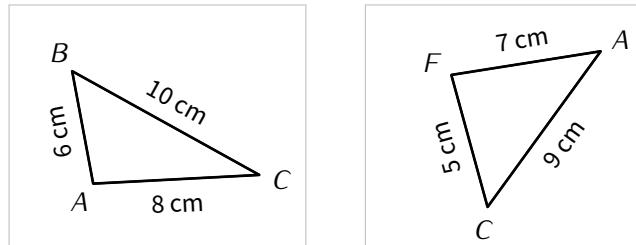
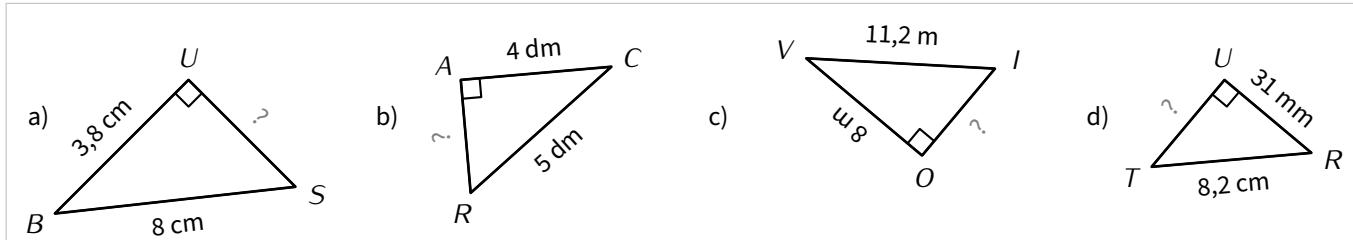
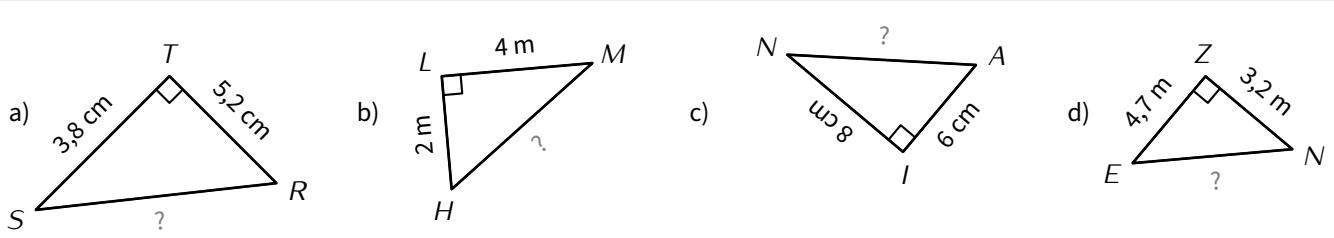
$$\mathcal{A} = \dots$$

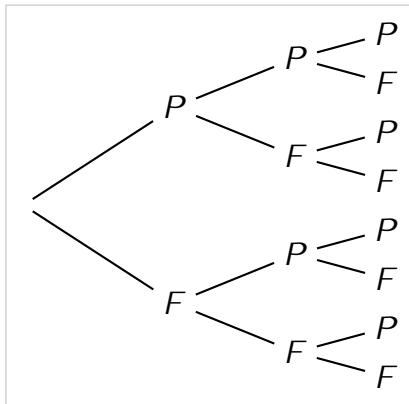




SÉQUENCE N° 2 : Opérations sur les nombres relatifs

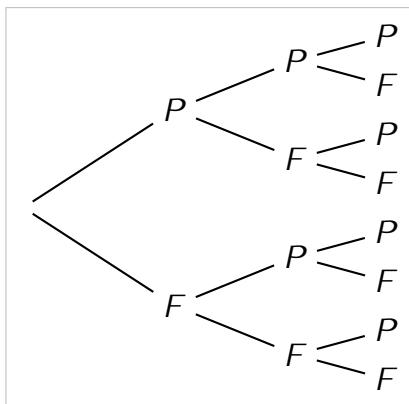






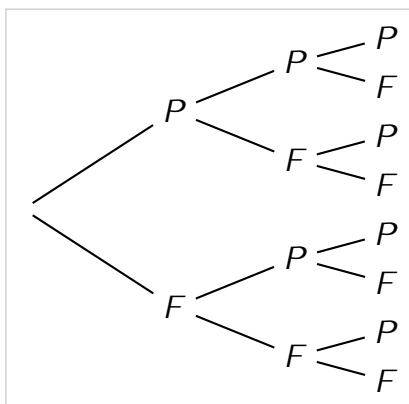
	1	2	3	4	5	6
1	{1; 1}	{2; 1}	{3; 1}	{4; 1}	{5; 1}	{6; 1}
2	{2; 1}	{2; 2}	{2; 3}	{2; 4}	{2; 5}	{2; 6}
3	{3; 1}	{3; 2}	{3; 3}	{3; 4}	{3; 5}	{3; 6}
4	{4; 1}	{4; 2}	{4; 3}	{4; 4}	{4; 5}	{4; 6}
5	{5; 1}	{5; 2}	{5; 3}	{5; 4}	{5; 5}	{5; 6}
6	{6; 1}	{6; 2}	{6; 3}	{6; 4}	{6; 5}	{6; 6}

Nombre de lancés	1	10	100	1 000	10 000	100 000	1 000 000
Nombre de pile	0	7	45	505	5 052	49 917	500 691
Fréquence de pile (en %)	0	70	45	50,5	50,52	49,917	50,0691



	1	2	3	4	5	6
1	{1; 1}	{2; 1}	{3; 1}	{4; 1}	{5; 1}	{6; 1}
2	{2; 1}	{2; 2}	{2; 3}	{2; 4}	{2; 5}	{2; 6}
3	{3; 1}	{3; 2}	{3; 3}	{3; 4}	{3; 5}	{3; 6}
4	{4; 1}	{4; 2}	{4; 3}	{4; 4}	{4; 5}	{4; 6}
5	{5; 1}	{5; 2}	{5; 3}	{5; 4}	{5; 5}	{5; 6}
6	{6; 1}	{6; 2}	{6; 3}	{6; 4}	{6; 5}	{6; 6}

Nombre de lancés	1	10	100	1 000	10 000	100 000	1 000 000
Nombre de pile	0	7	45	505	5 052	49 917	500 691
Fréquence de pile (en %)	0	70	45	50,5	50,52	49,917	50,0691



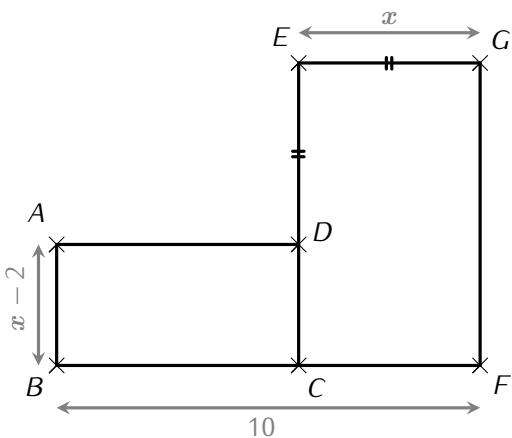
	1	2	3	4	5	6
1	{1; 1}	{2; 1}	{3; 1}	{4; 1}	{5; 1}	{6; 1}
2	{2; 1}	{2; 2}	{2; 3}	{2; 4}	{2; 5}	{2; 6}
3	{3; 1}	{3; 2}	{3; 3}	{3; 4}	{3; 5}	{3; 6}
4	{4; 1}	{4; 2}	{4; 3}	{4; 4}	{4; 5}	{4; 6}
5	{5; 1}	{5; 2}	{5; 3}	{5; 4}	{5; 5}	{5; 6}
6	{6; 1}	{6; 2}	{6; 3}	{6; 4}	{6; 5}	{6; 6}

Nombre de lancés	1	10	100	1 000	10 000	100 000	1 000 000
Nombre de pile	0	7	45	505	5 052	49 917	500 691
Fréquence de pile (en %)	0	70	45	50,5	50,52	49,917	50,0691

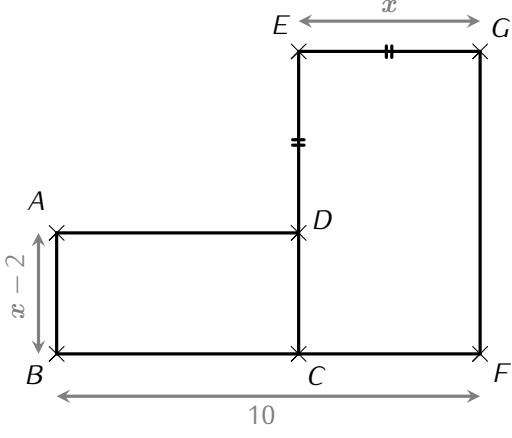
SÉQUENCE N° 8 : Calcul littéral (partie 2)

quand  est cliquédemander Valeur de x ? et attendremettre x à réponsemettre A à $x - 3$ mettre A à $2 * A$ mettre B à $x - 6$ mettre Résultat à $A - B$

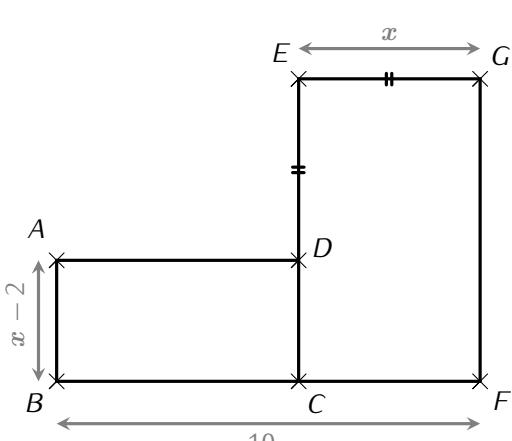
dire regrouper (Le résultat est) et Résultat

quand  est cliquédemander Valeur de x ? et attendremettre x à réponsemettre A à $x - 3$ mettre A à $2 * A$ mettre B à $x - 6$ mettre Résultat à $A - B$

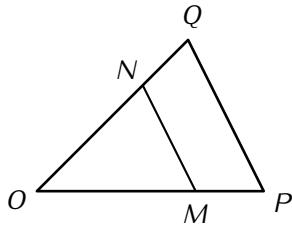
dire regrouper (Le résultat est) et Résultat

quand  est cliquédemander Valeur de x ? et attendremettre x à réponsemettre A à $x - 3$ mettre A à $2 * A$ mettre B à $x - 6$ mettre Résultat à $A - B$

dire regrouper (Le résultat est) et Résultat

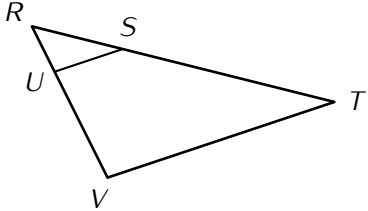


Voici une figure dans laquelle $OM = 6 \text{ cm}$, $OP = 15 \text{ cm}$, $PQ = 14 \text{ cm}$ et $(MN) \parallel (QP)$:



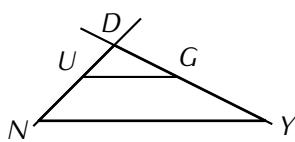
Calcule MN .

Voici une figure dans laquelle $RU = 8 \text{ m}$, $RV = 11 \text{ m}$, $SU = RT = 7 \text{ m}$ et $(SU) \parallel (TV)$:



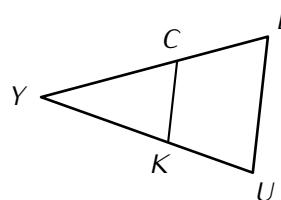
Calcule RS (arrondi au mm), puis TV .

Voici une figure dans laquelle $(UG) \parallel (NY)$, $DU = 5 \text{ cm}$, $DN = 15 \text{ cm}$ et $NY = 9 \text{ cm}$:



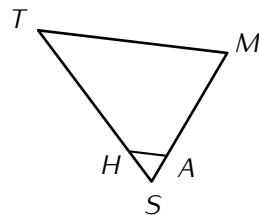
Calcule UG .

Voici une figure dans laquelle $(CK) \parallel (LU)$, $YK = 6 \text{ m}$, $YC = 5 \text{ m}$, $LU = 9 \text{ m}$ et $LY = 12 \text{ m}$:



Calcule CK , puis LU .

Voici une figure dans laquelle $(AH) \parallel (MT)$, $SA = 8 \text{ cm}$, $SM = 14 \text{ cm}$, $ST = 16 \text{ cm}$ et $MT = 6 \text{ cm}$:



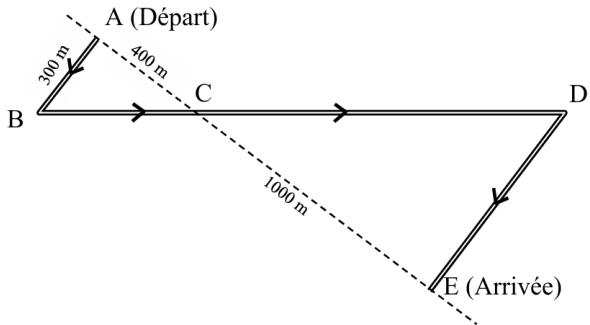
Calcule SH et AH (arrondis si besoin au dixième de cm).

Exercice 3

Des élèves participent à une course à pied. Avant l'épreuve, un plan leur a été remis. Il est représenté par la figure ci-contre.

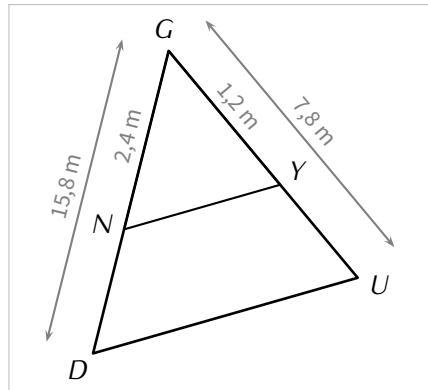
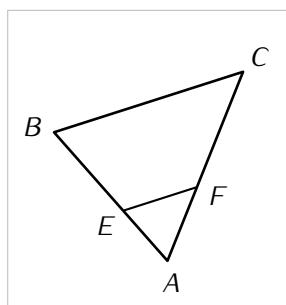
On convient que :

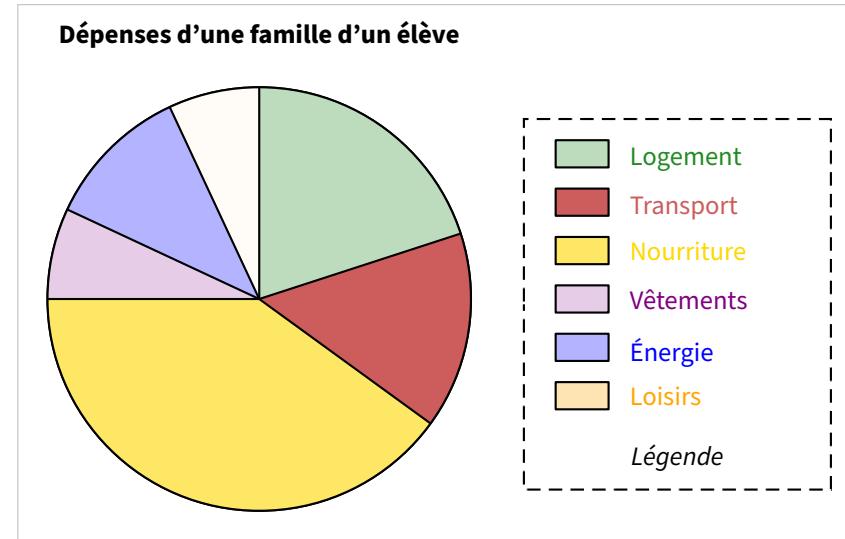
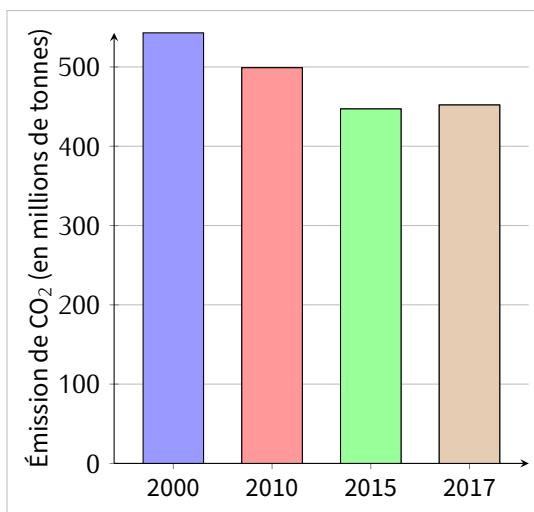
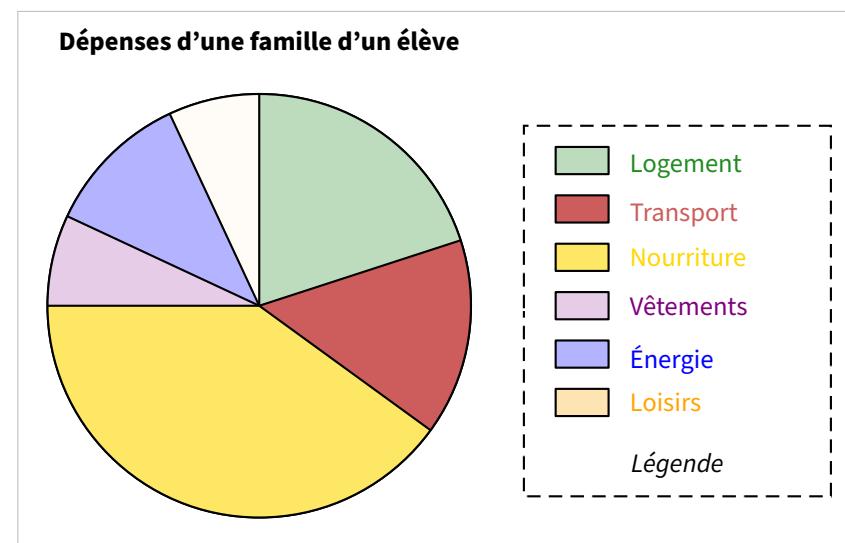
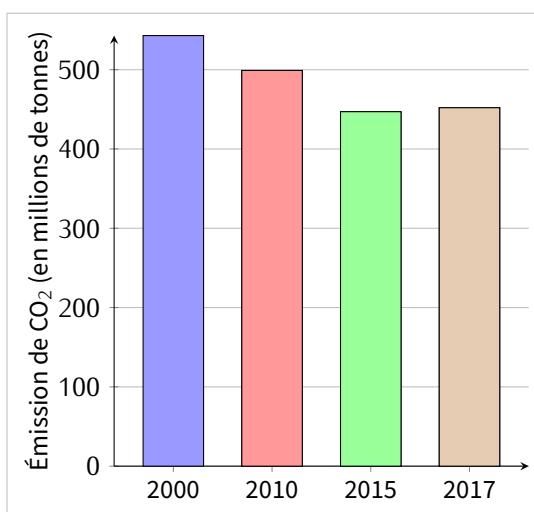
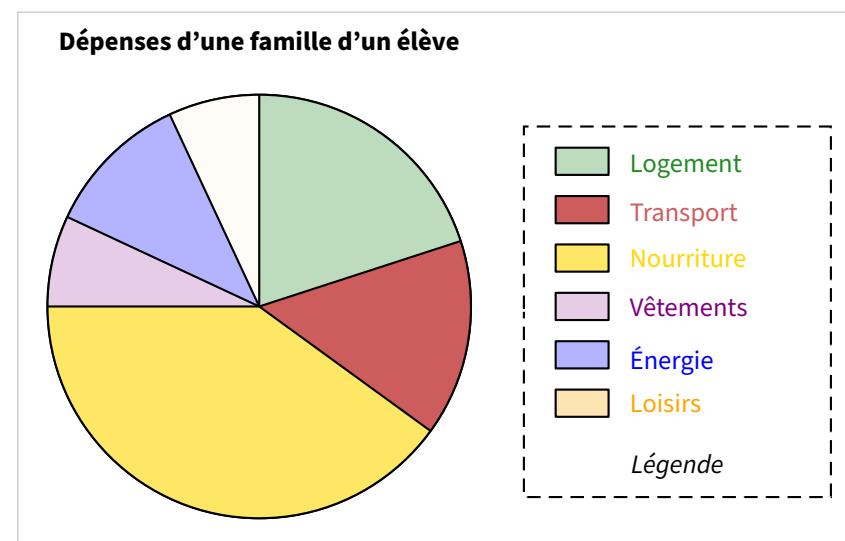
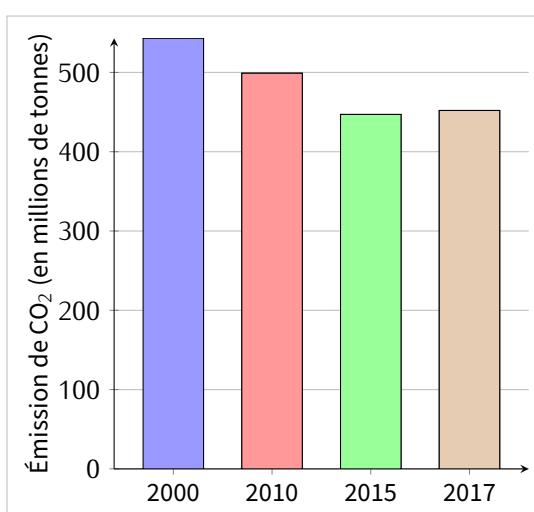
- Les droites (AE) et (BD) se coupent en C.
- Les droites (AB) et (DE) sont parallèles.
- ABC est un triangle rectangle en A.



Calculer la longueur réelle du parcours ABCDE.

Si le travail n'est pas terminé, laisser tout de même une trace de la recherche. Elle sera prise en compte dans la notation.





1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	20
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

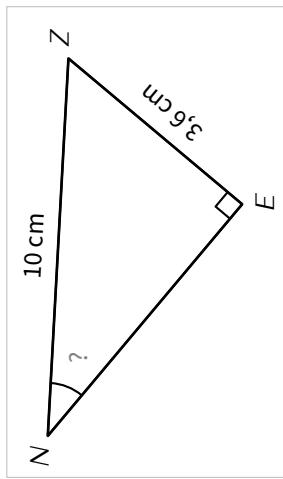
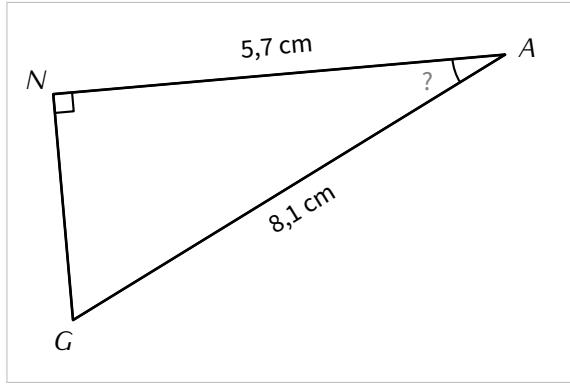
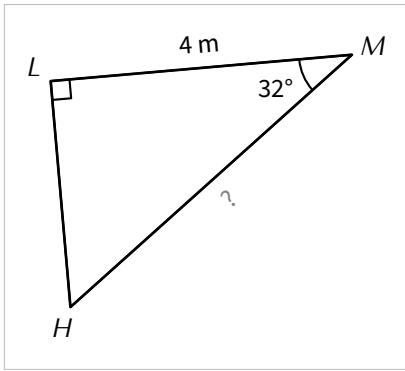
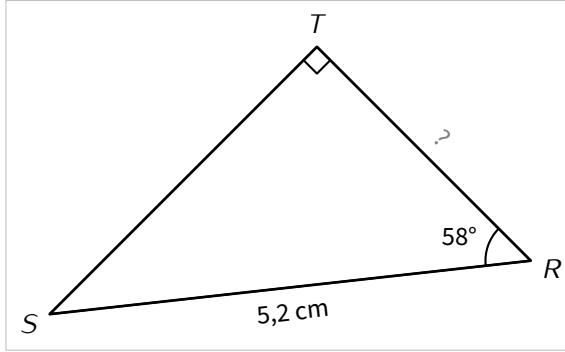
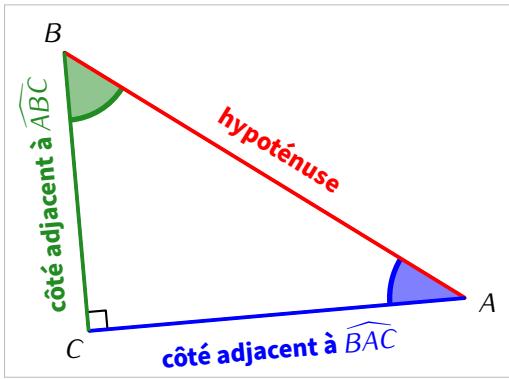
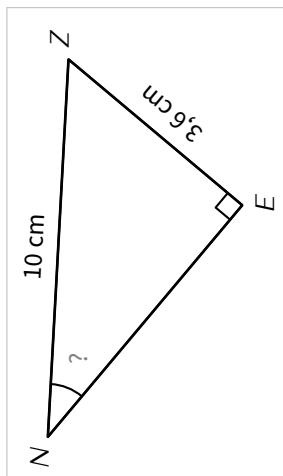
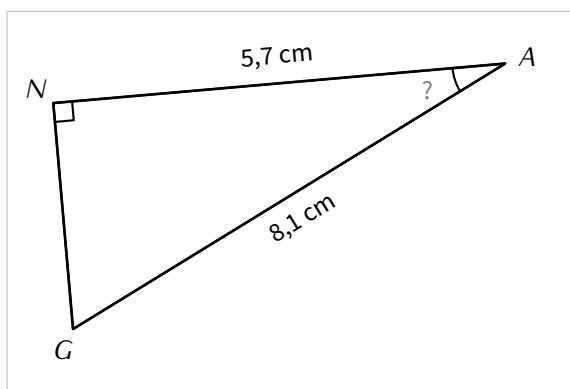
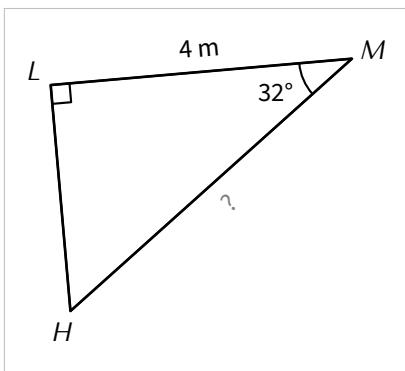
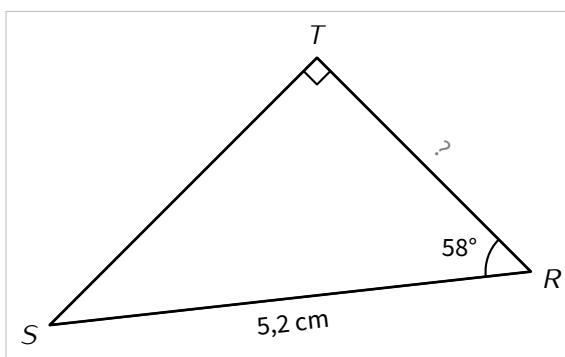
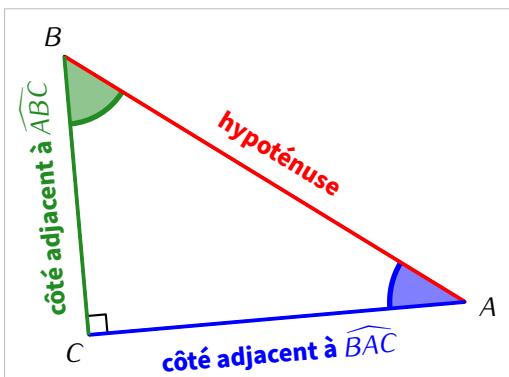
1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	20
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

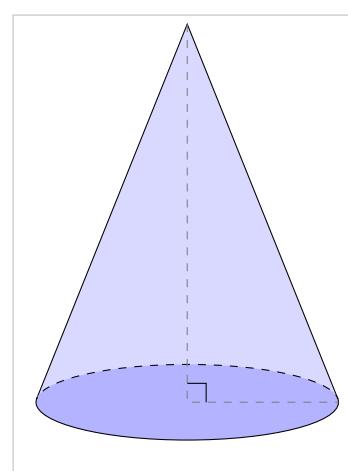
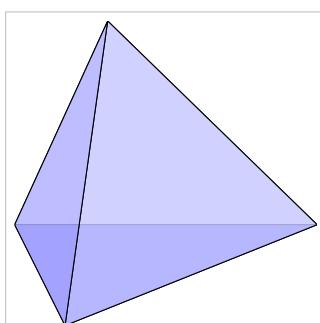
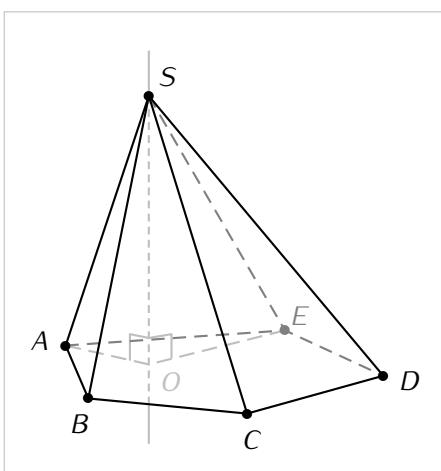
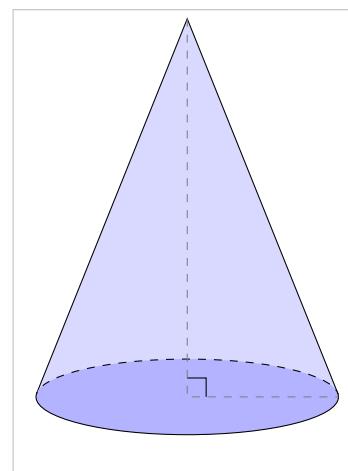
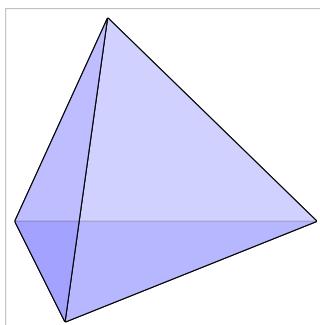
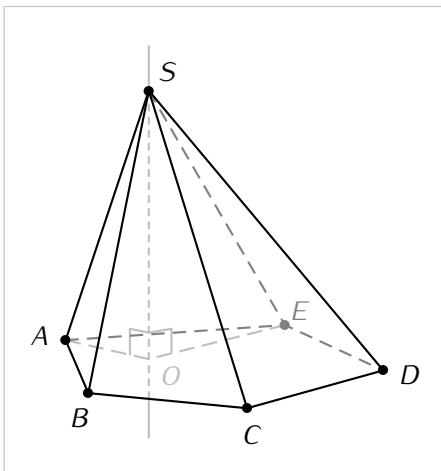
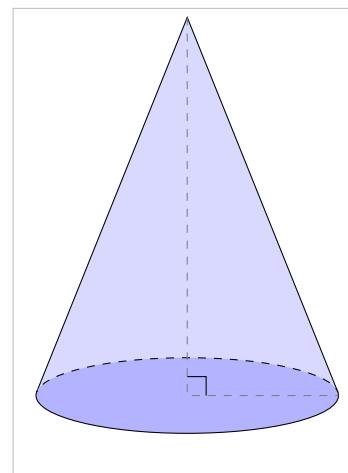
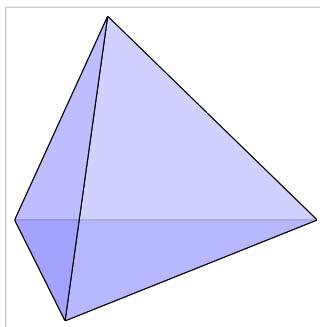
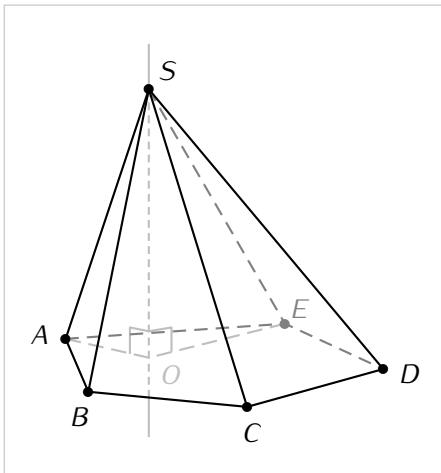
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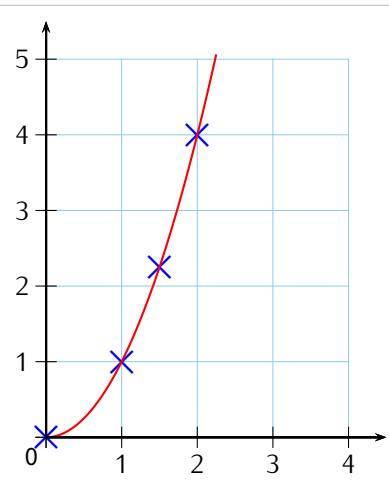
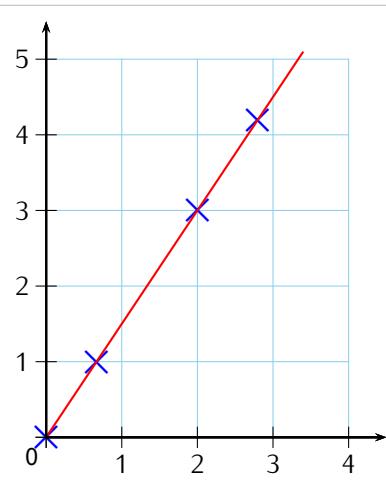
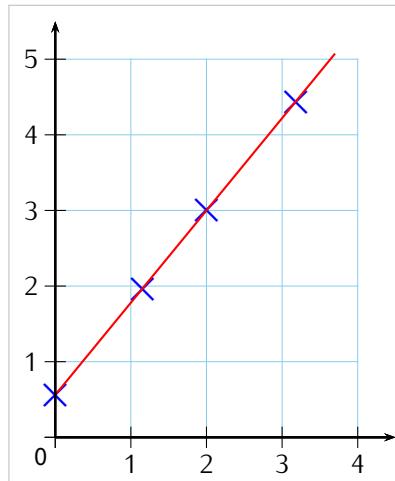
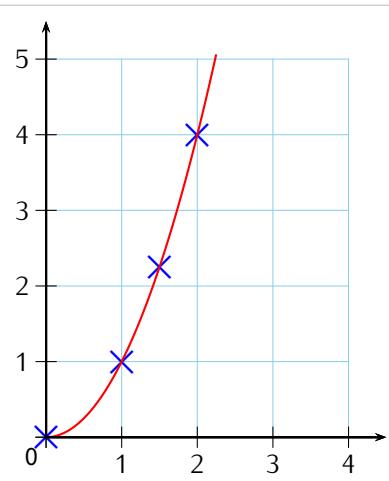
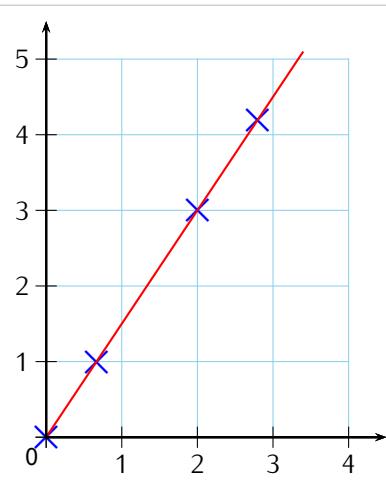
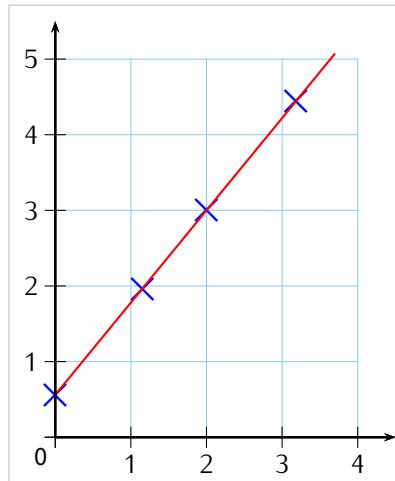
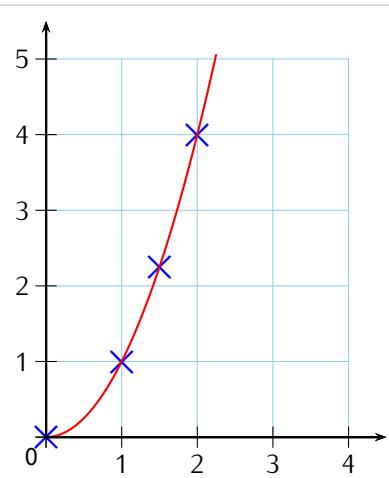
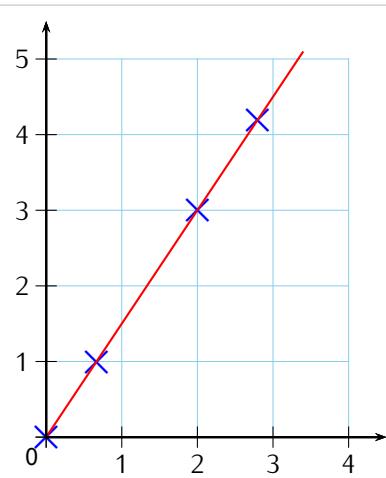
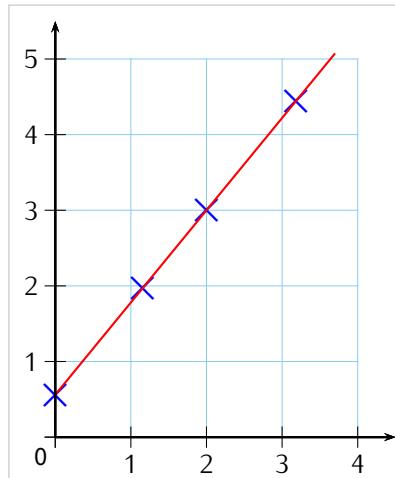
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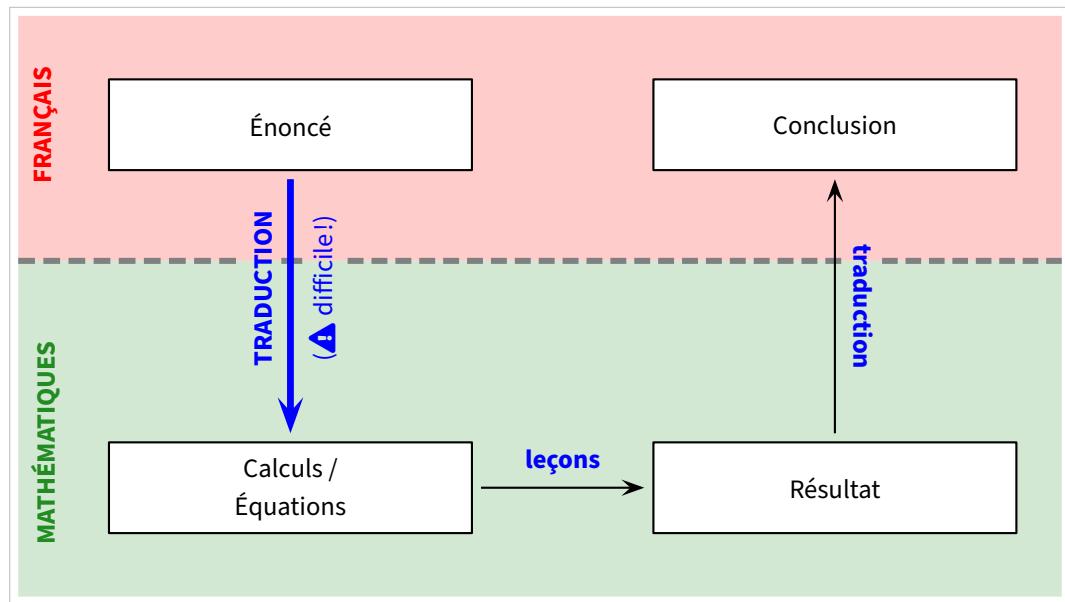
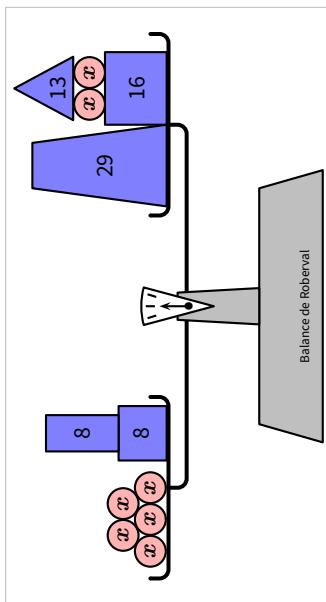
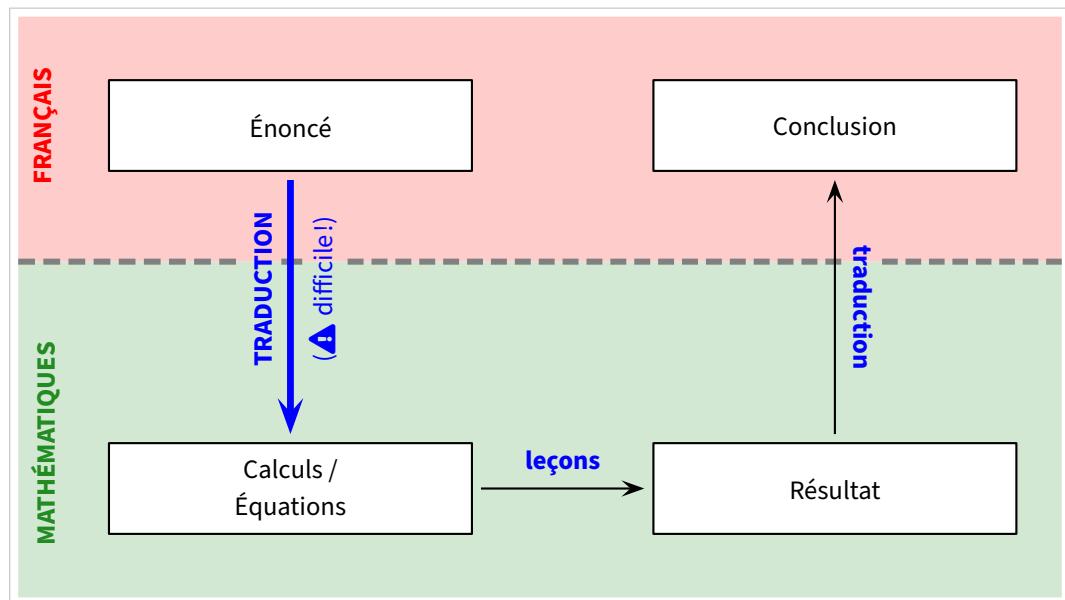
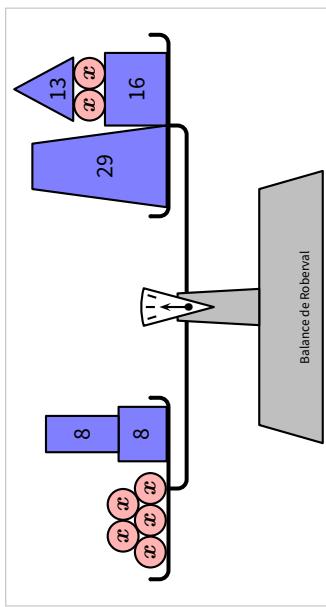
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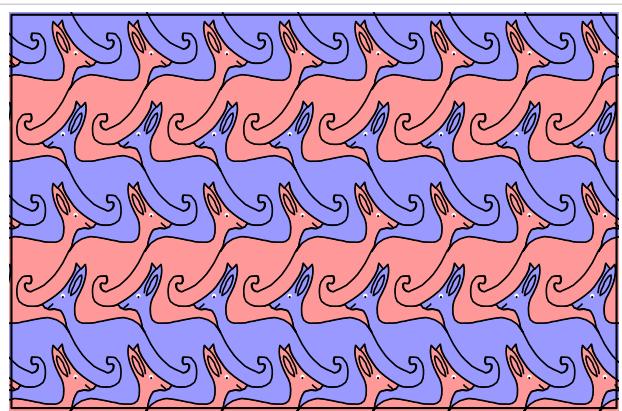
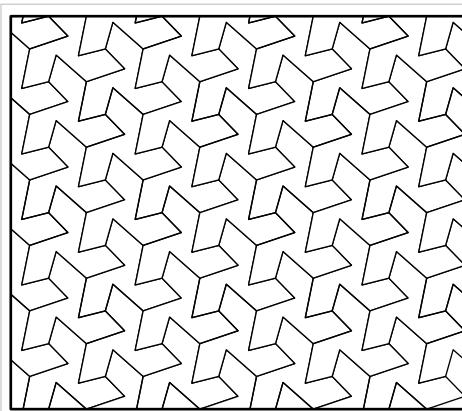
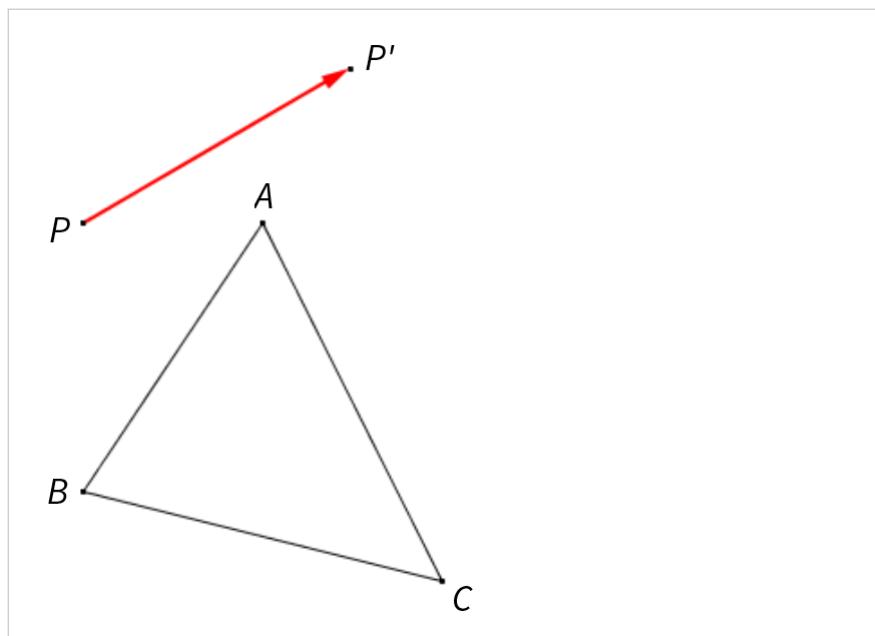
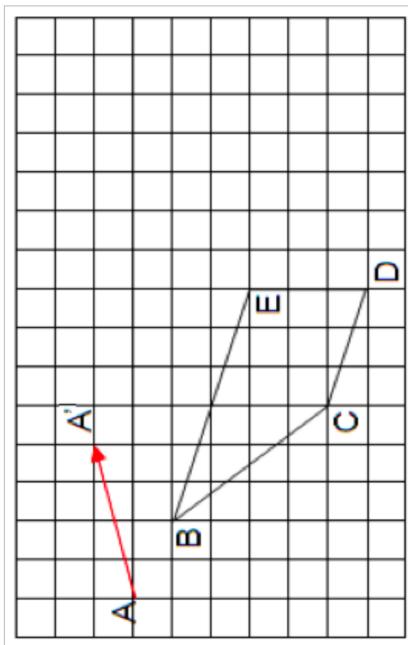
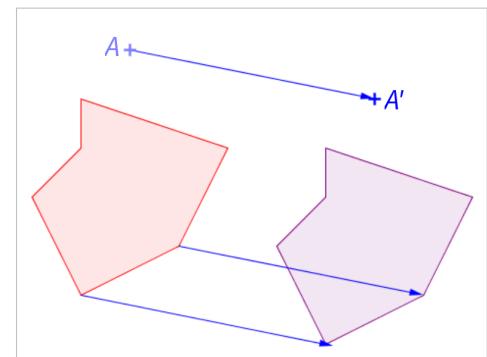
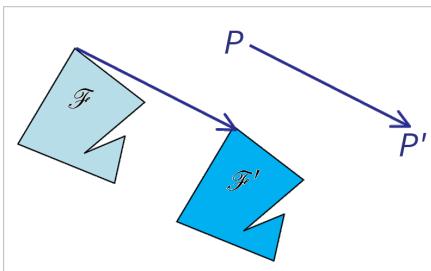
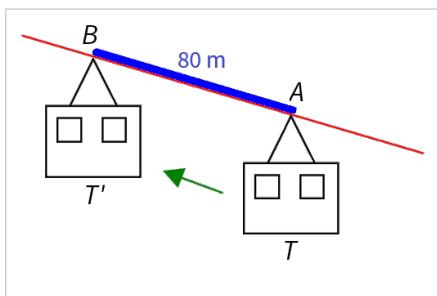
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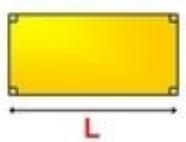






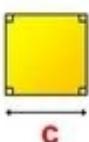
AIRES

RECTANGLE



$$A = L \times l$$

CARRE



$$A = c \times c = c^2$$

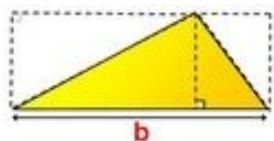
CERCLE - DISQUE



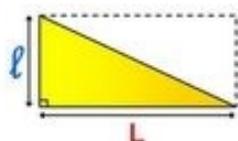
$$P = 2\pi r$$

$$A = \pi r^2$$

TRIANGLES



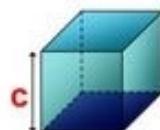
$$A = \frac{b \times h}{2}$$



$$A = \frac{L \times l}{2}$$

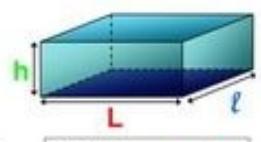
VOLUMES

CUBE



$$V = c \times c \times c = c^3$$

PARALLELEPIPEDE RECTANGLE



$$V = L \times l \times h$$

PRISME DROIT



CYLINDE DE REVOLUTION



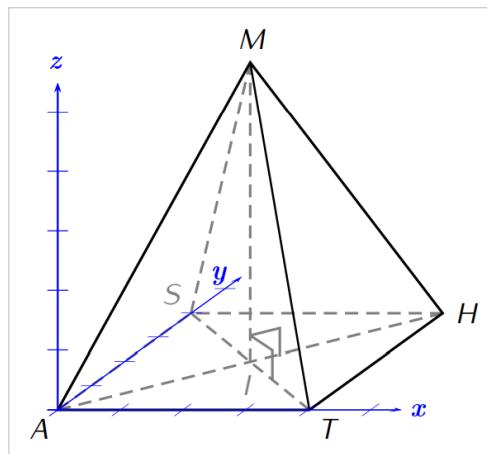
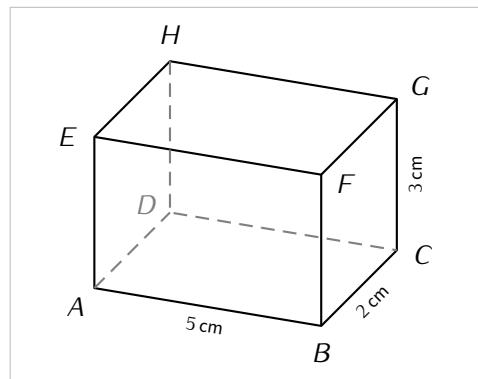
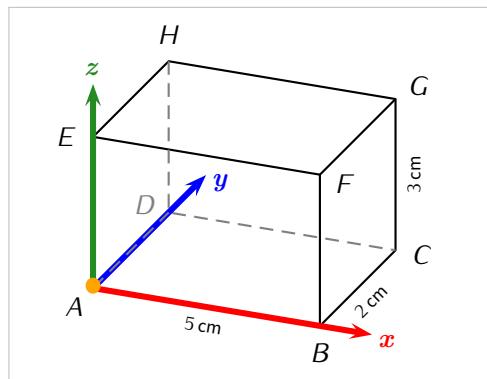
$$V = A_{\text{Base}} \times h$$

PYRAMIDE



$$V = \frac{A_{\text{Base}} \times h}{3}$$

CONE DE REVOLUTION



Mouvement

- » avancer de 15
- » tourner de ⌂ de 45 degrés
- » tourner de ⌂ de 30 degrés
- » s'orienter à 90
- » aller à x : 0 y : 0

Apparence

- » dire Hello! pendant 2 secondes
- » dire Hello!
- » penser à Hmm.. pendant 2 secondes
- » penser à Hmm..
- » ajouter 10 à la taille
- » mettre à 100 % de la taille initiale

Stylo

- » effacer tout
- » stylo en position d'écriture
- » relever le stylo
- » mettre la couleur bleu pour le stylo
- » ajouter 1 à la taille du stylo
- » choisir la taille 1 pour le stylo

Contrôle

- » attendre 1 secondes
- » répéter 4 fois
 - »
- » si  alors
 - »
- » si  alors
 - »
- » sinon
 - »
- » répéter jusqu'à 
 - »

Opérateur

- »  
- »  
- » nombre aléatoire entre 1 et 20
- »  /  / 
- »  / 
- » regroupe coucou les quatrièmes

Capteurs

- » demander Quelle valeur et attendre
- » réponse
- » touche espace pressé?

Données

- » Créer une variable
- » ma variable
- » mettre ma_variable à 0
- » ajouter à ma_variable 1
- » montrer la variable ma_variable
- » cacher la variable ma_variable

Événements

- » quand  est cliqué
- » Quand espace est pressé