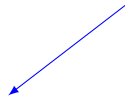


The testing and demonstrative pictures

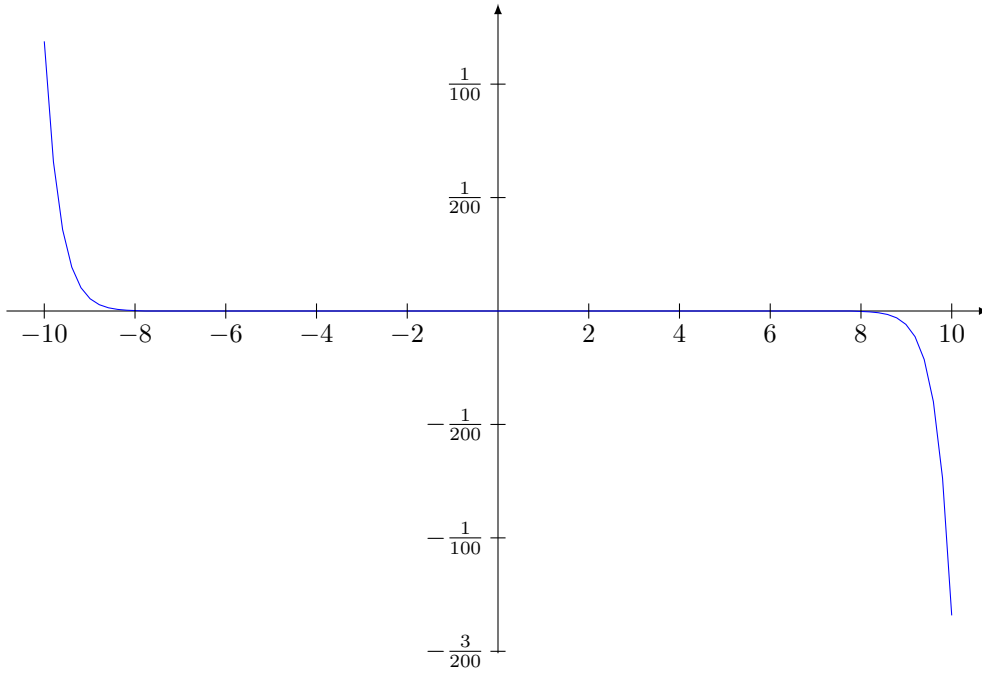
Laurent Claessens

June 23, 2017

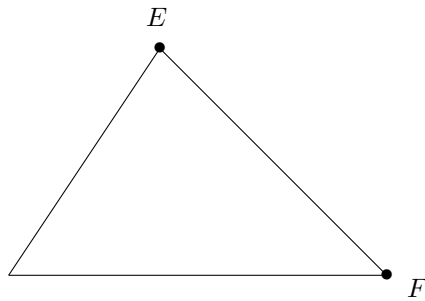
Picture : ERP Moo ZibfN0iU



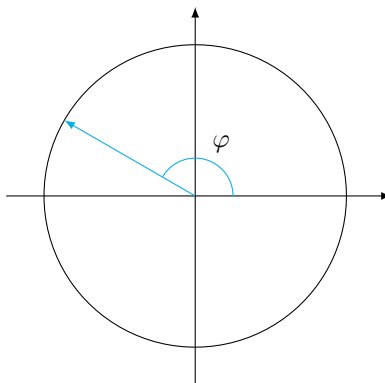
Picture : XOL Boo GcrjiwoU



Picture : JRCJooPHFcKn



Picture : TgCercleTrigono



Picture CercleTrigono The result is on figure 1.

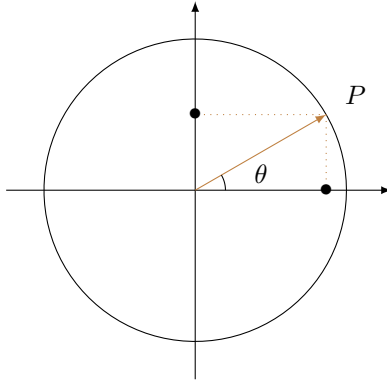
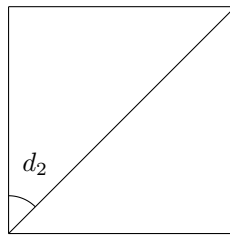
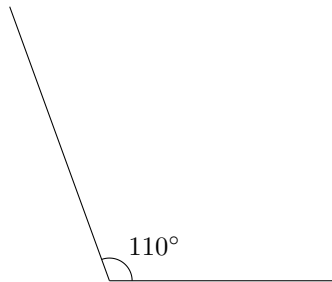


Figure 1: <+Type your caption here+>

Picture : UOE0ooLxhpSC



Picture : AAPMooHEcnzW



Picture SFdgHd0 The result is on figure 2.

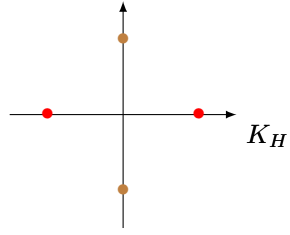
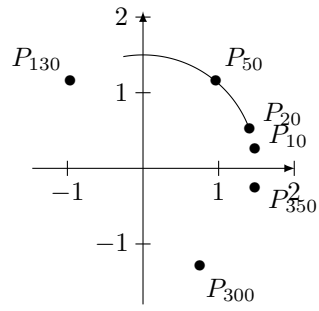
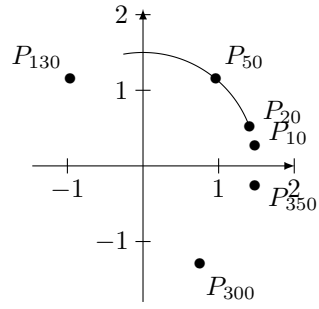


Figure 2: <+Type your caption here+>

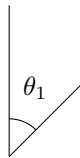
Picture exCircleTwo



Picture exCircleTwo

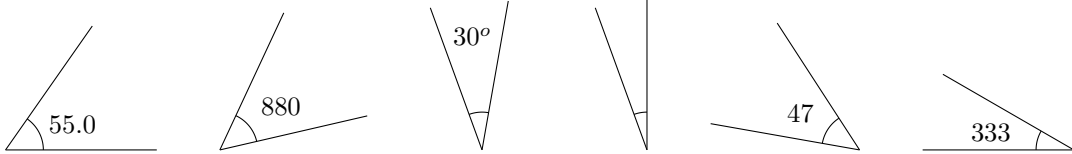


Picture : Refraction

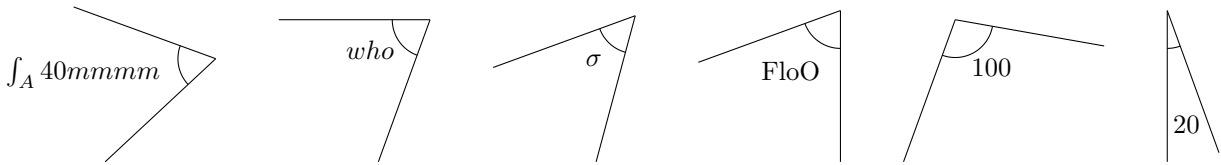


Picture OMPAooMbyOIqeA

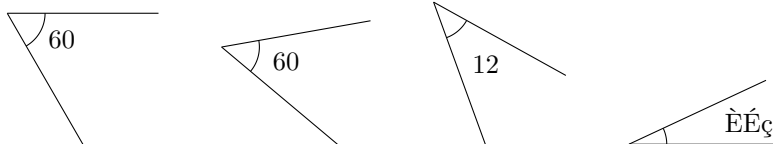
mMó



- (a) The angle measure has to be placed correctly
 (b) The angle measure has to be placed correctly
 (c) The angle measure has to be placed correctly
 (d) The angle measure has to be placed correctly
 (e) The angle measure has to be placed correctly
 (f) The angle measure has to be placed correctly



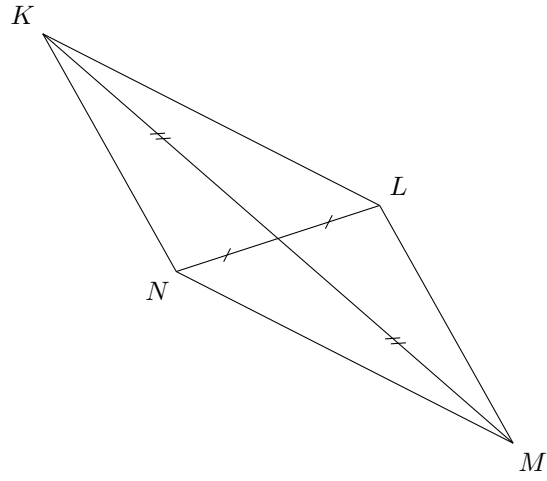
- (g) The angle measure has to be placed correctly
 (h) The angle measure has to be placed correctly
 (i) The angle measure has to be placed correctly
 (j) The angle measure has to be placed correctly
 (k) The angle measure has to be placed correctly
 (l) The angle measure has to be placed correctly



- (m) The angle measure has to be placed correctly
 (n) The angle measure has to be placed correctly
 (o) The angle measure has to be placed correctly
 (p) The angle measure has to be placed correctly

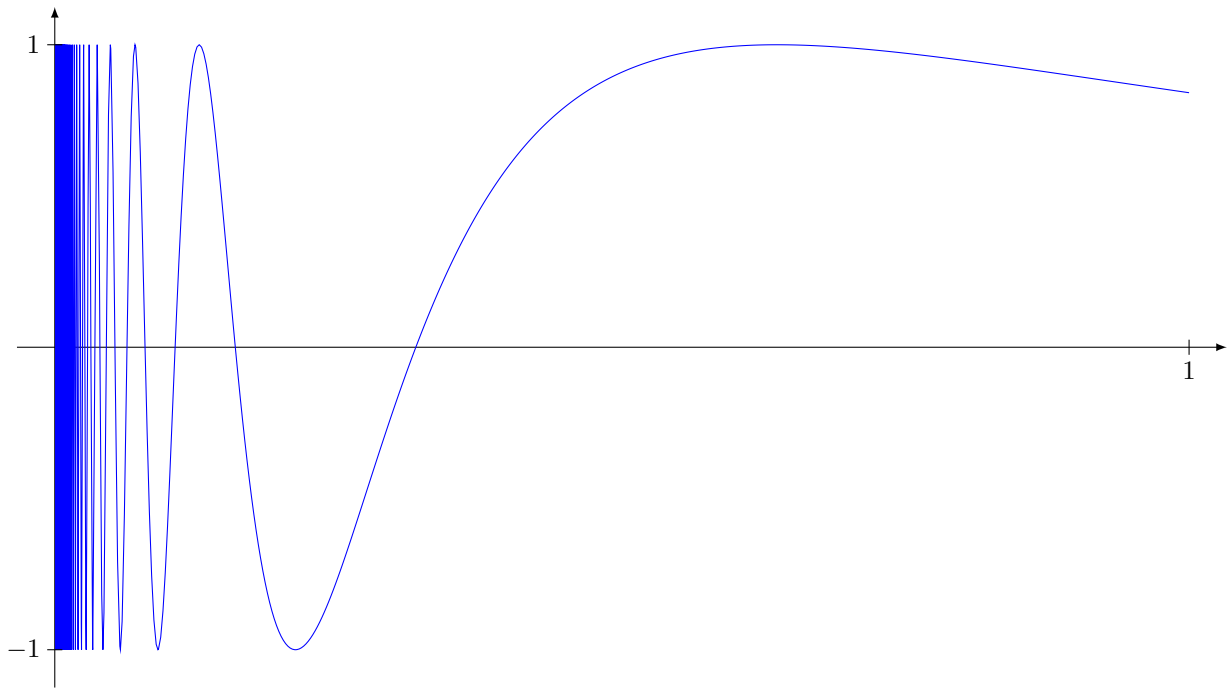
Figure 3: Marks are correct.

Picture FMLCooxHtqRzUz

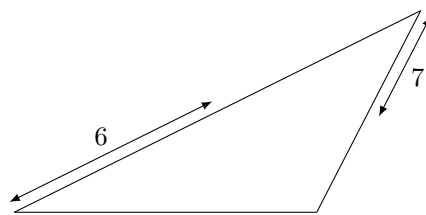


Comment : The segments KM is divided by $//$ and the segment NL by a simple $/$.

Picture BHESoofmkTbbZR : the famous $f(x) = \sin(1/x)$.

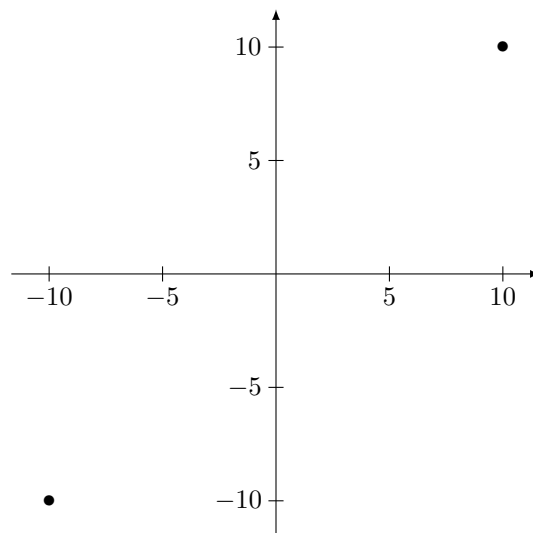


Picture PVRFoobvAzpZTq



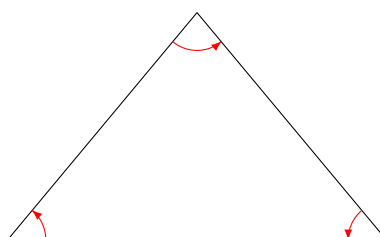
Comment : The marks 6 and 7 are well positioned

For the numbering on the axes with dilatation : QIXEooejrojKjo



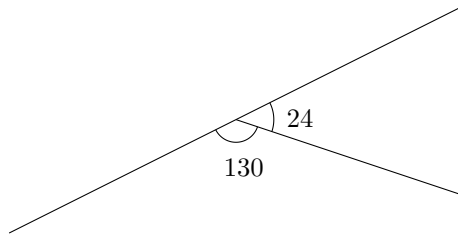
Comment : The numbering on the axes are not too far, not too close from the axis although there is a dilatation

Picture : WQVZooAhkdlegv

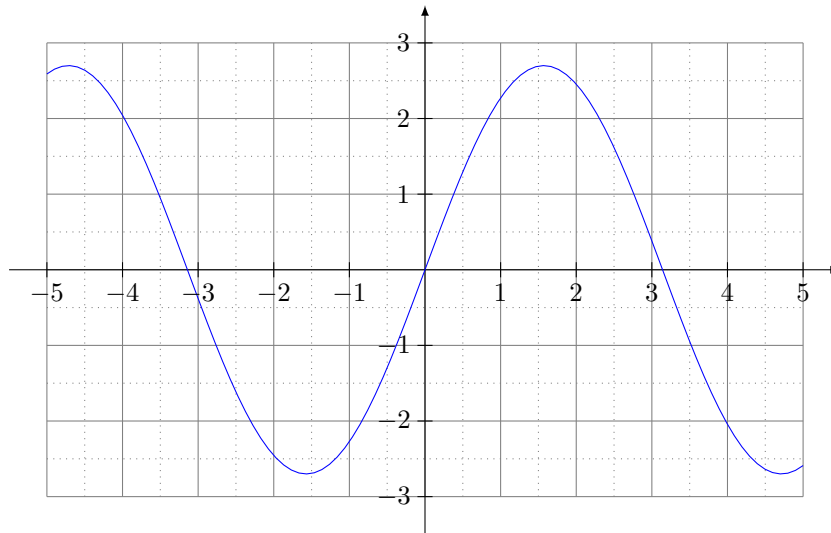


Comment : The angles are red and an arrow is drawn in the trigonometric sense.

Picture : MJWwoEMdGoa



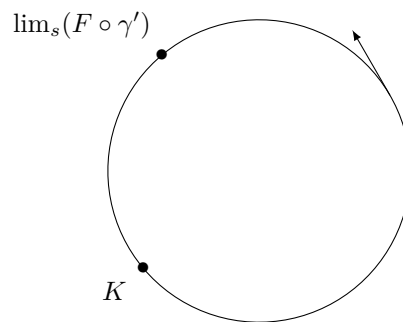
About axes and grid : GGH0ookMhIxqIK



Comment : $x \mapsto 2.7 \sin(x)$, the axes and the grid

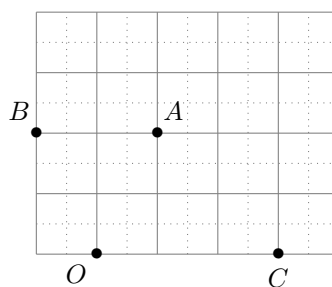
This is a circle with a tangent vector and a mark :

Picture : TRJEooPRoLnEiG



Comment : A circle with a point and a mark : $\lim_s(F \circ \gamma')$ and on other point with the mark K

Picture UREIooqNGBXtHg

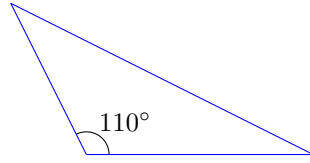


Comment :

1. The mark of the point A is on the line OA ,
2. the mark on B on the line OB ,

3. the mark on C is at angle -90 degree
4. and the one of O is at angle 225 degree

Picture QIPRoo1QCEnZdx



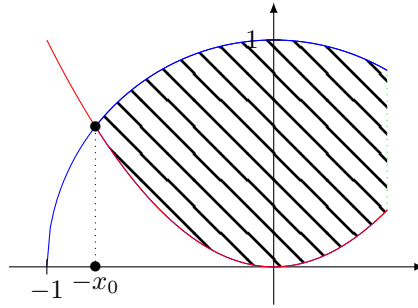
Comment : The angle at A has a mark 110 degree.

Picture ASZLoocnIG1RHf



Comment : The marks are positionned as written

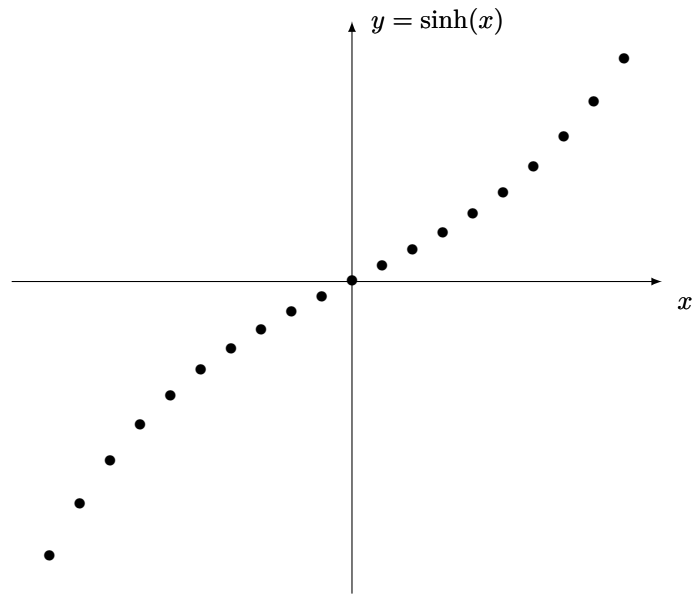
Picture YJEDoojDtSøKHQ



Comment :

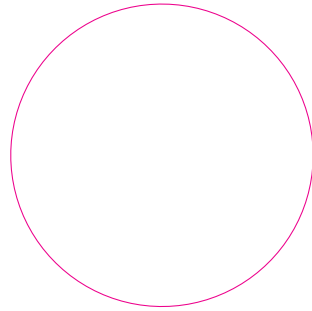
- one line in blue, one in red
- at the right : dotted green
- the surface is hatched in cyan

Picture AxesSecond



Comment : The marks on the axes : x and $y = \sinh(x)$.

Picture exCircle



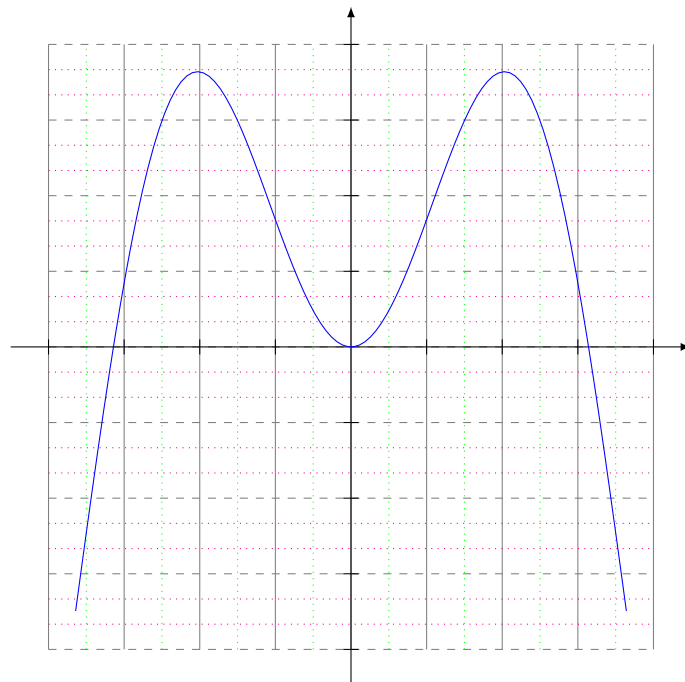
Comment : A magenta circle of radius 2

One red point :

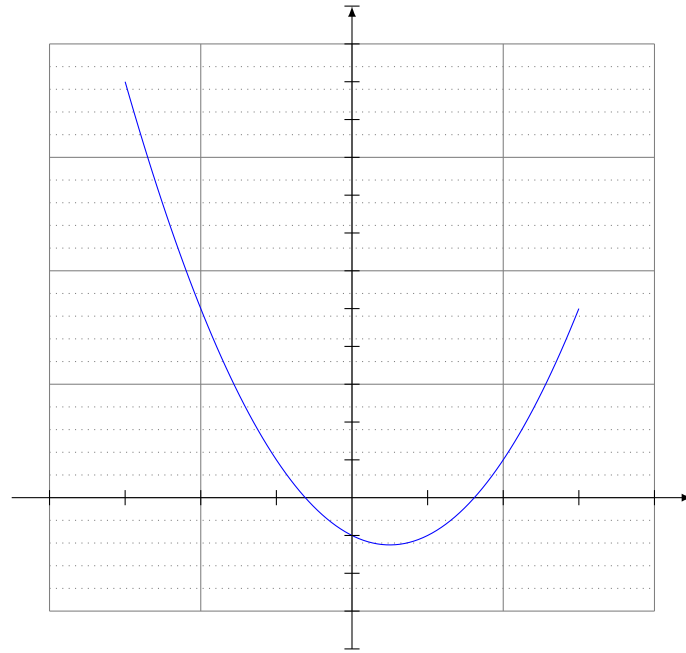
Picture OnePoint



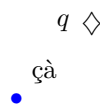
Picture GridThree



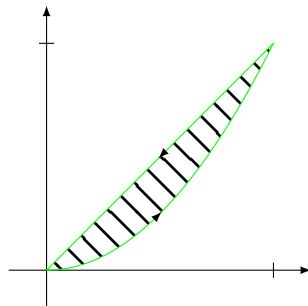
Picture GridTwo



Picture MarkOnPoint



Comment : unicode in the mark : çà
File QRJ0ookZPUoL1F



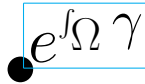
Comment : lines in green, one arrow in each sense and area hatched in grey.
Sudoku grid.

	A	B	C	D	E	F	G	H	I
1		-3				0	3		-2
2	3							-1	
3			...			-2	...	1	
4	1		3	-1			...		
5	-4							-3	
6				-4	1		...		-1
7	2		...
8		1	
9		2	-4		...	1		...	0

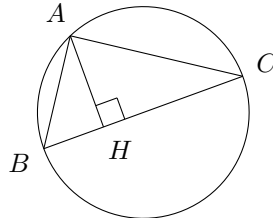
Comment : One sudoku grid with numbers from -4 to 4.

Multiple subfigures :

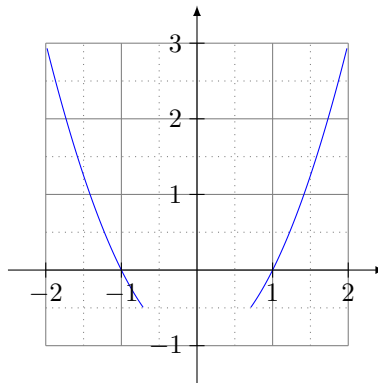
A point with a mark and its bounding box Picture QRXCooUmn1hkvh



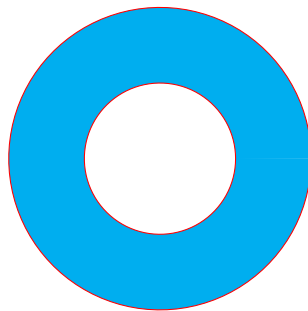
Comment : The bounding box of the text is drawn and its corner almost touches the point
Picture ALAYooKKrRTkCG



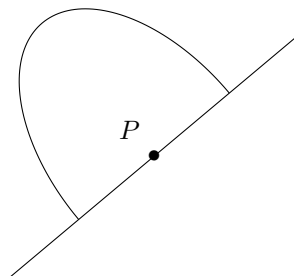
Comment : The right angle at H is correctly indicated.
Picture PJKBoo0hGVPkeR



Comment : Le graphe de $x^2 - 1$ dans la boîte $xmin=-2,xmax=2,ymin=-0.5,ymax=3$
Picture LVPSoozFTyaeCG



Comment : Une couronne
Picture CUZFooGqZLaAEp



Comment : A half-ellips is posed on the line and centered on the point P
Picture JSYWooQYduLVLS



Comment : A quarter of ellipse
 Picture LWVXooPyI10Knd

$$\Delta_2(A) \begin{pmatrix} \boxed{\lim_{x \rightarrow \infty} f(x)} & \boxed{B} & \boxed{C} \\ \boxed{(2,1)} & \boxed{\int_a^b} & \boxed{\sin(x)} \\ \boxed{(3,1)} & \boxed{\Delta_k(A_m)} & \boxed{\vdots} \end{pmatrix}$$

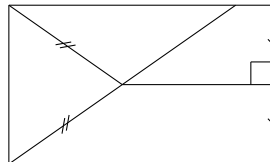
Comment : The matrix

$$\begin{pmatrix} \lim_{x \rightarrow \infty} f(x) & B & C \\ (2,1) & \int_a^b & \sin(x) \\ (3,1) & \Delta_k(A_m) & \vdots \end{pmatrix} \quad (1)$$

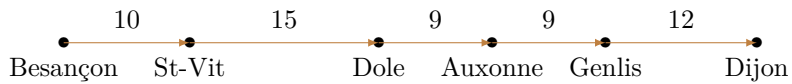
with

1. a box around each element
2. a red square around the 2x2 upper left square
3. $\Delta_2(A)$ over the latter red square

Picture : SMXRooCnr1Nw

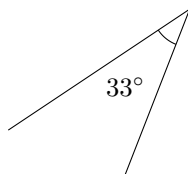


Picture : EDEYRhQ

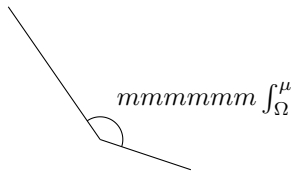
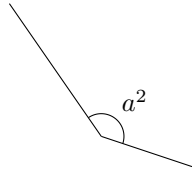


Comment : Les nombres arrivent au centre des vecteurs, et non au bout.

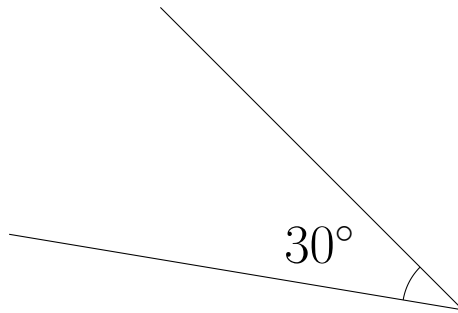
Picture : VNJWooDeKdcy



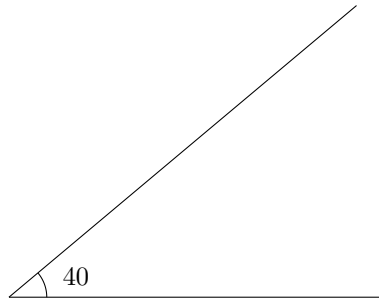
Picture : VAAYooXndWQq



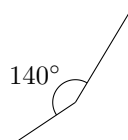
Picture : HUGKooTkDs0g



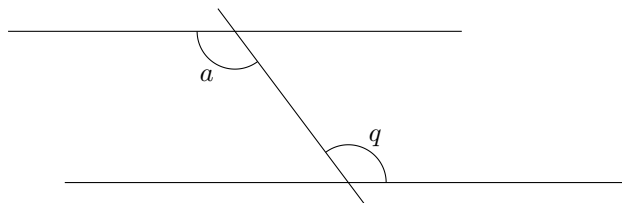
Picture : BQFUooTuMfnj



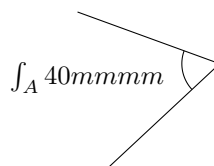
Picture : VRQCooOchjJA



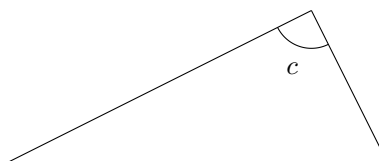
Picture : QEPZooNndwiS



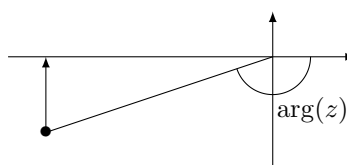
Picture : AEUYooWXYBuI



Picture : TBAGooZgekGa



Picture CWKJooppMsZXjw



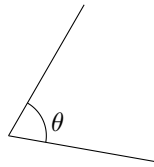


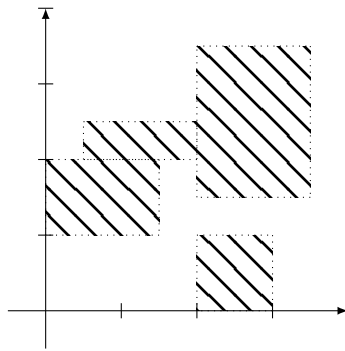
Figure 4: <+Type your caption here+>

Picture AMDUooZZU0qa The result is on figure 4.

Picture : WWPPooTSxdXI



Picture : CNVAooybLqXmVS



Comment : The rectangles are hatched and the edges are dotted.

Picture : TKXZooLwXzjS

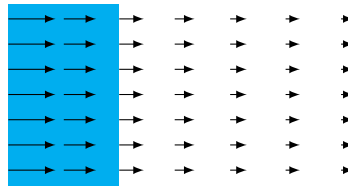
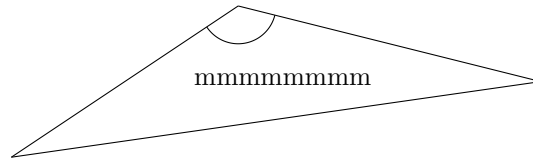
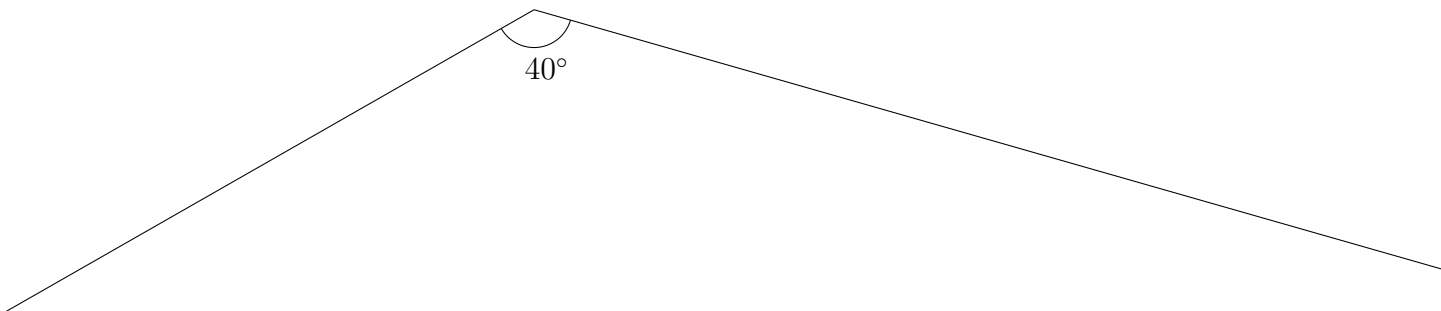


Figure 5: Le champ de vecteurs $F(x, y) = \frac{1}{x}(1, 0)$.

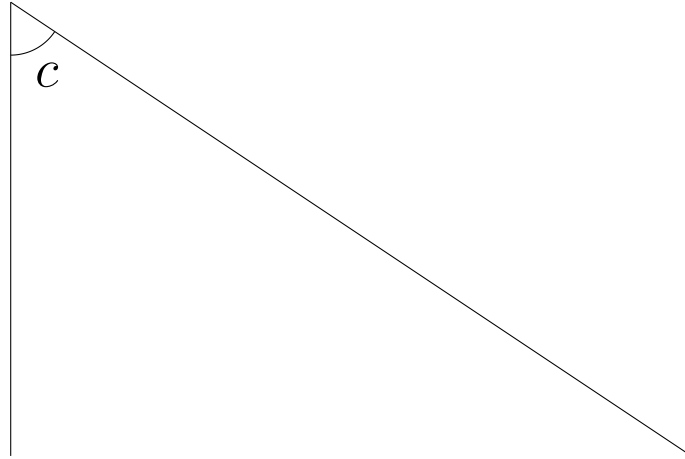
Picture : XWWHooIkL0wZ



Picture : HRIVooBXxzES



Picture : QWEHooSRqSdw



Picture QEFQoomlfmOQTM

• P

Comment : With the mark.

•

Comment : Without the mark.

• P

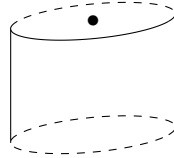
Comment : With the mark.

Picture QHXKooHTpEuXMw



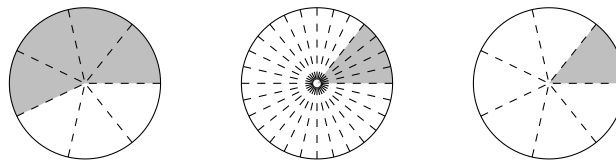
Comment : The mark P is over the red line and under the cyan line.

Picture OMZOoowEtRUuMi



Comment : A cylinder is drawn. The above circle is half-dashed while the one on the basis is dashed.

Picture XBAUooFtMWukKr



1. Comment : A pie for $4/7$

2. Comment : A pie for $4/28$

3. Comment : A pie for $1/7$

Picture MXKAoozETwoiTe The result is on figure 6.

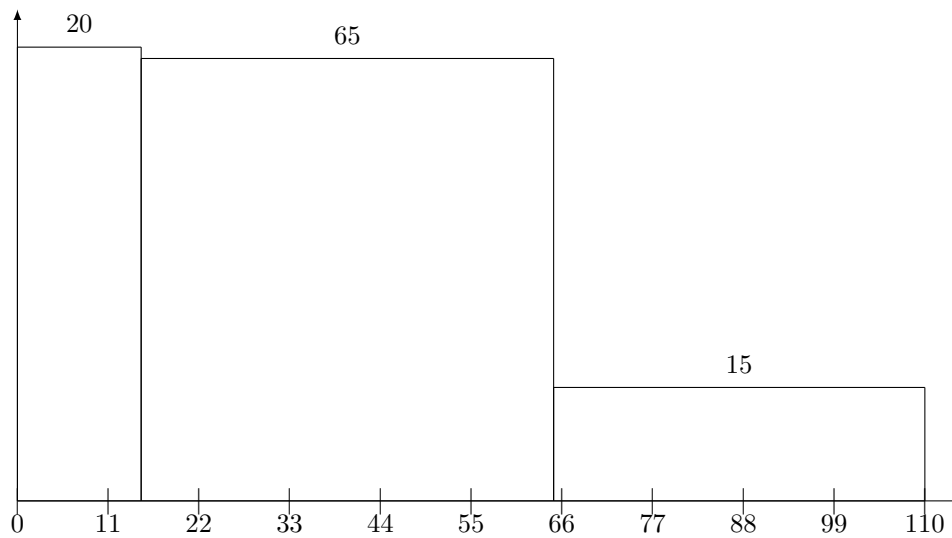
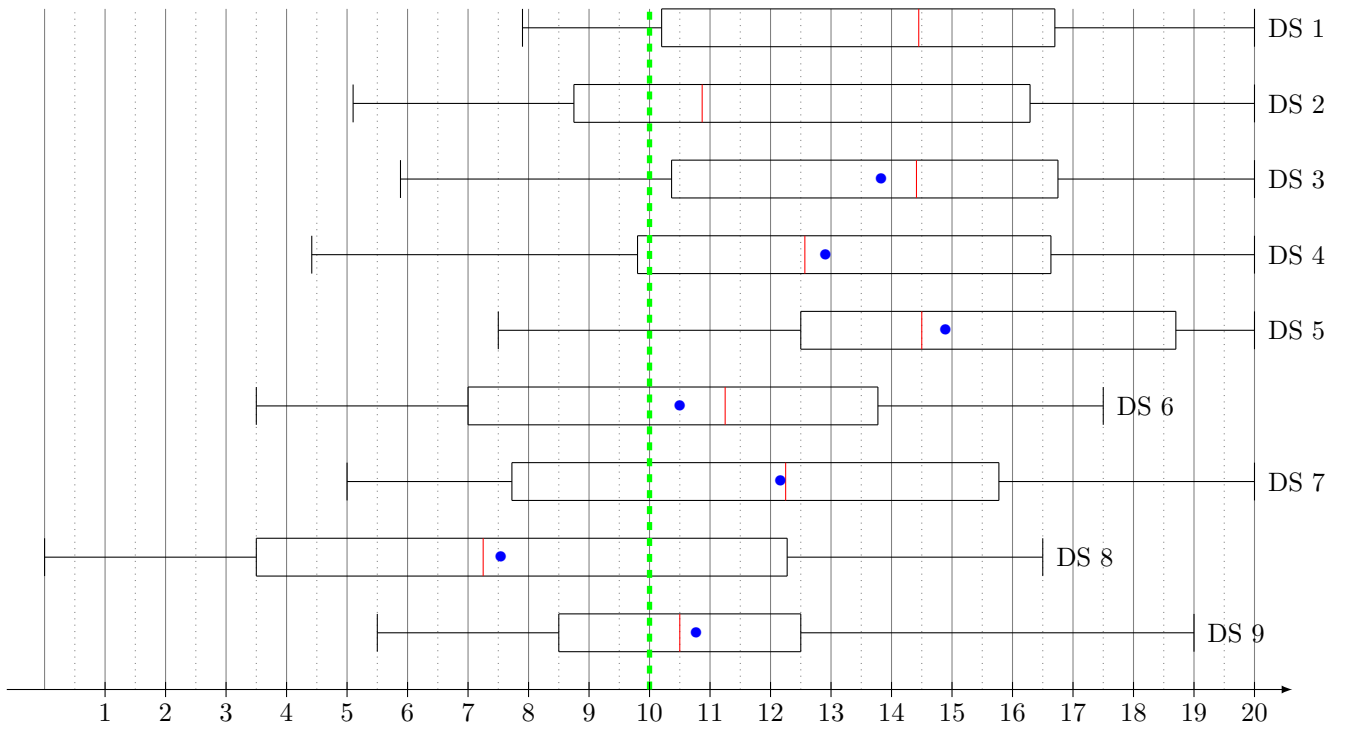


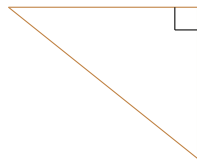
Figure 6: An histogram.

Comment : 3 boxes of height 20,65,15. These figures are written on the boxes.

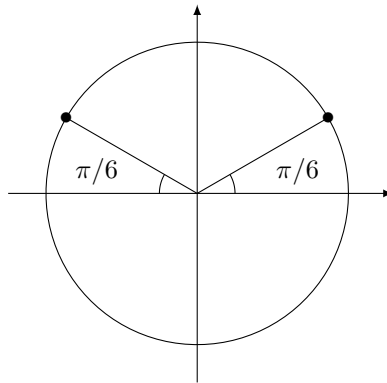
Picture AESIoOXxRYQdT



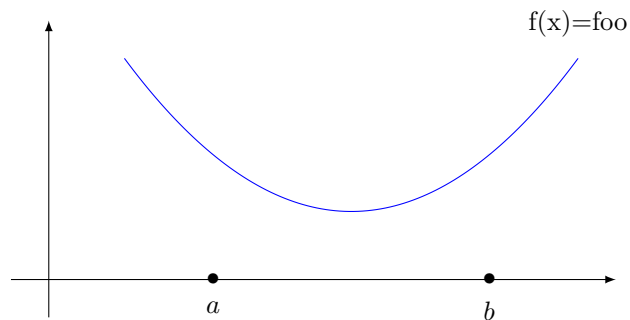
Comment : Box diagrams of student graduation
 Picture VLEGoo1DFCdzDU



Comment : A right angle is coded. And a brown triangle is drawn
 Picture DYJNooLvvfHEfN



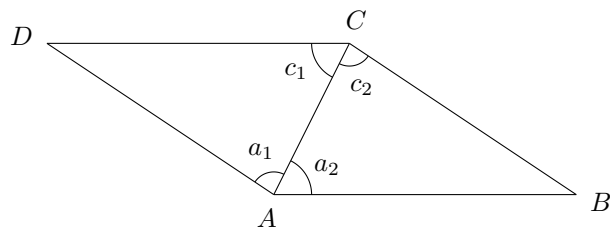
Comment : The two marks $\pi/6$ are correctly placed.
 Picture OYBTooNUcJLzDH



Comment :

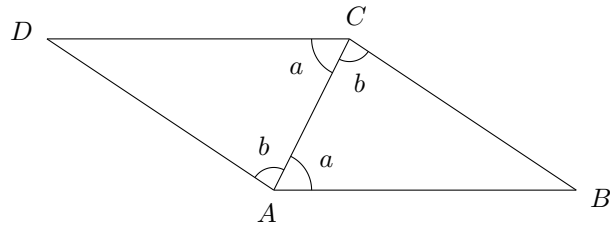
- Axes do not intersect because point $(0,0)$ is not on the picture.
- Marks on points a and b well positioned.
- It is written « $f(x)=foo$ » on the function.

Picture OGGDooIvakwNLL



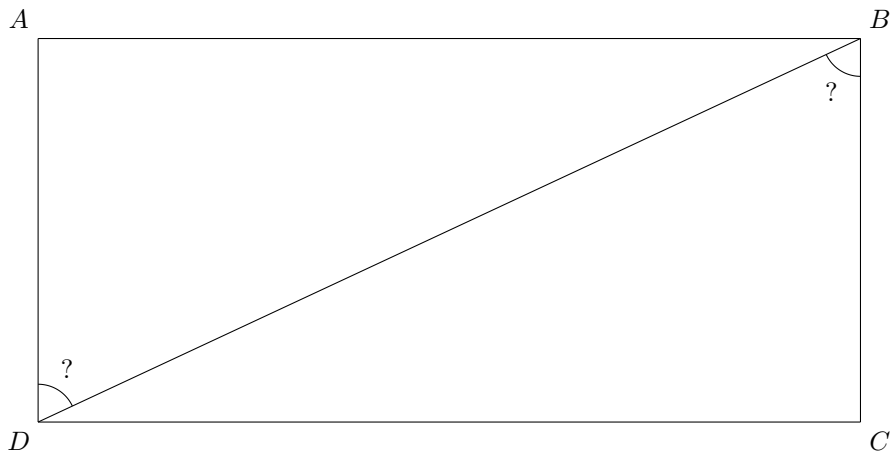
Comment : The marks are a_1, a_2, c_1, c_2

Picture OGGDooIvakwNLL

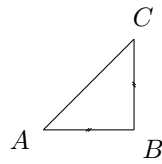


Comment : The marks are b, a, a, b

Picture NWAEOoQBLYYrpS Comment : The angles are well circular, and the marks are correctly positioned.

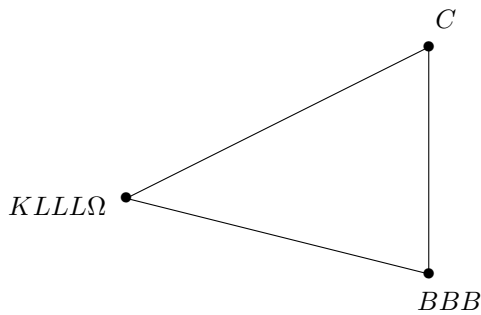


Picture MBWHooeesXIrsz



Comment : Vérifier la longueur des codages.

Picture : ECQDooWEpuCM



Picture : CornetGlace

The result is on figure 7.

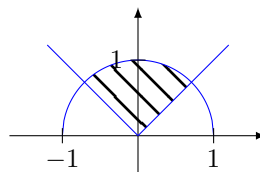


Figure 7: <+Type your caption here+>

About adding plotpoints : Picture EXIIooJzzoJei on the figure 8.

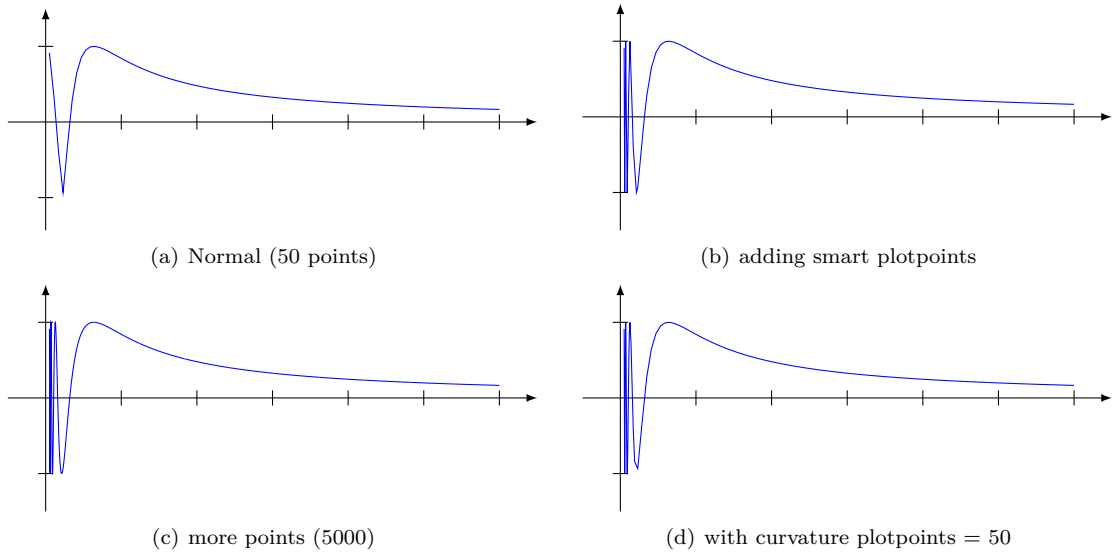
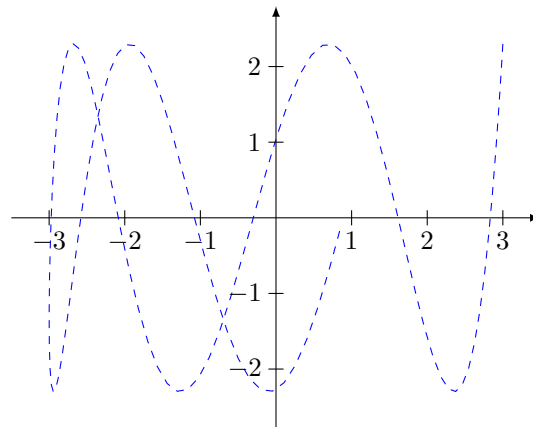
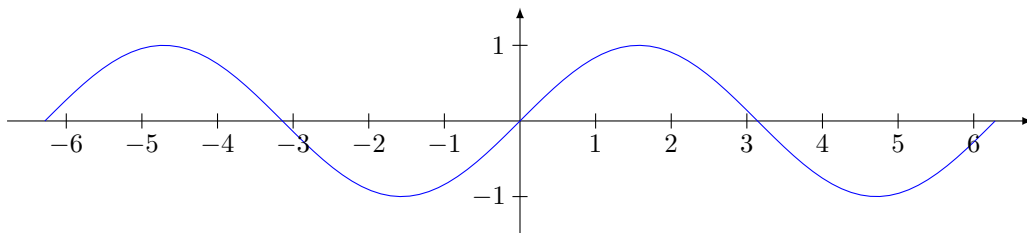


Figure 8: <+Type your caption here+>

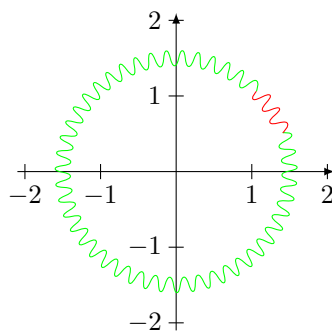
See also the subfigure 8(a) See also the subfigure 8(b) See also the subfigure 8(c)
Picture ParametricOne



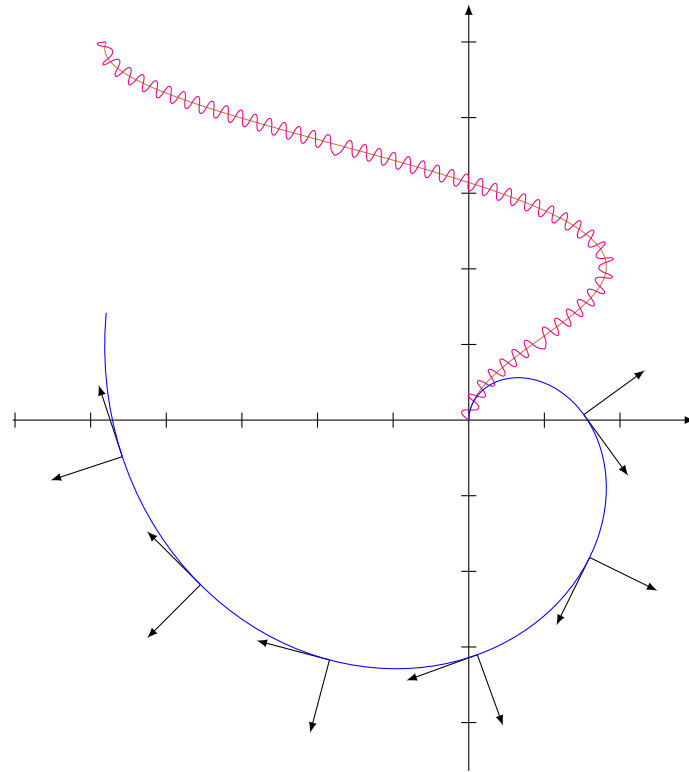
Picture FunctionFirst



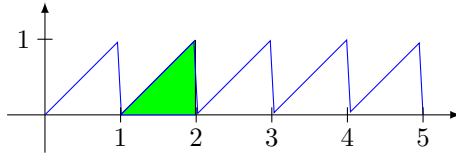
Picture exCirclesThree



Comment : A large green wavy part and a small red wavy part.
File ParametricTwo

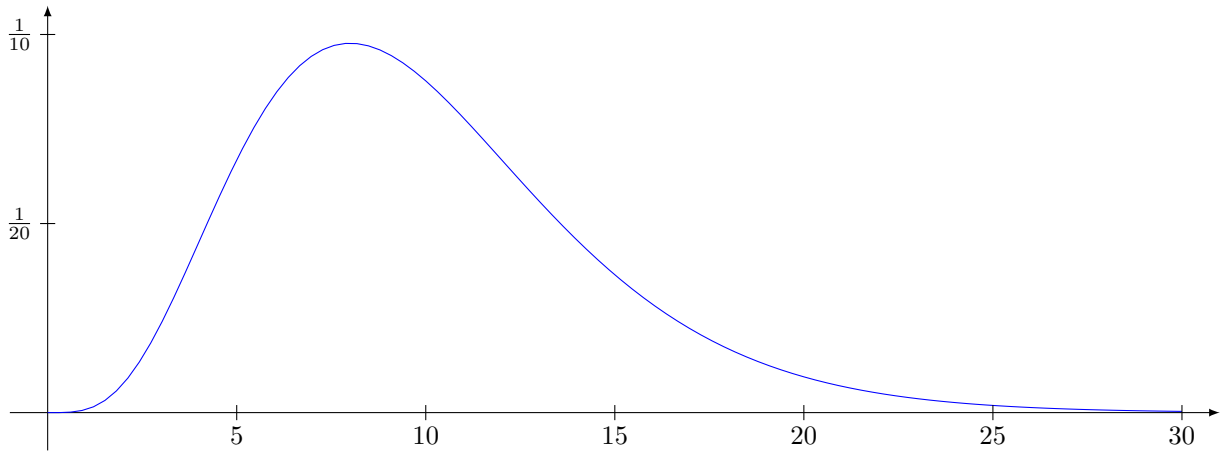


Picture UARHooLMWqvyaI



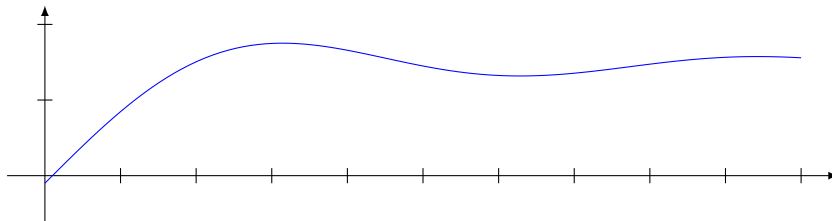
Comment : The mantisse function : $f(x)=x-\text{floor}(x)$. On of the triangles is filled in green.

Picture HUBEoofsPjXOQx



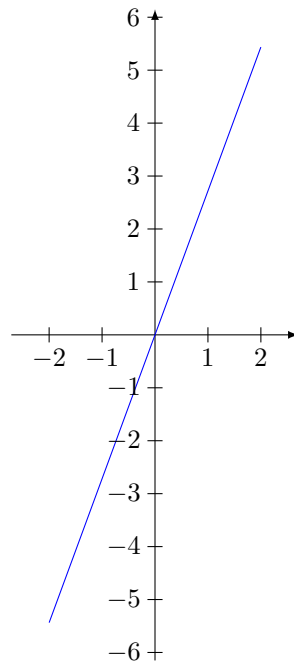
Comment : The χ^2 distribution.

Picture HELQooLGapRQrr

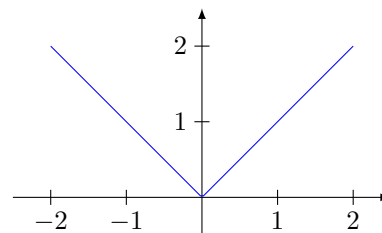


Comment : This is the graph of the function $x \mapsto \int_{0.1}^x \frac{\sin(t)}{t} dt$.

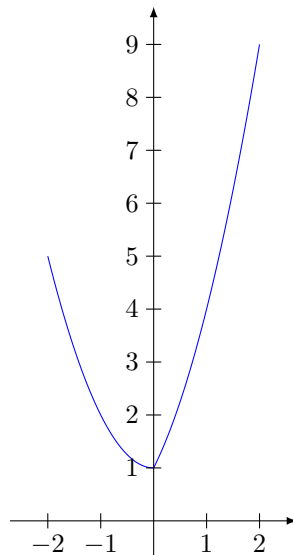
There are 4 subfigures at figure 9.



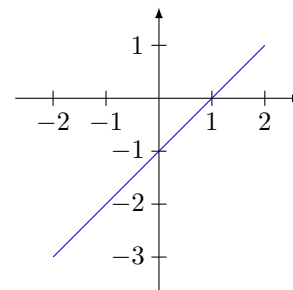
(a) La fonction $y = ex$



(b) La fonction $y = |x|$



(c) La fonction $y = x^2 + 1$ à gauche et $(x + 1)^2$ à droite.

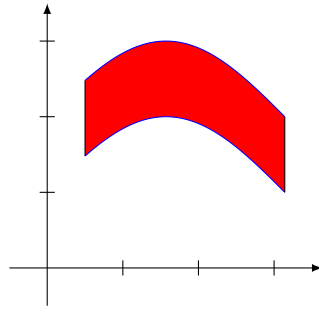


(d) La fonction $y = \log_2(2^{x-1})$

Figure 9: 4 subfigures still to be described.

Comment : Une figure multiple à détailler.

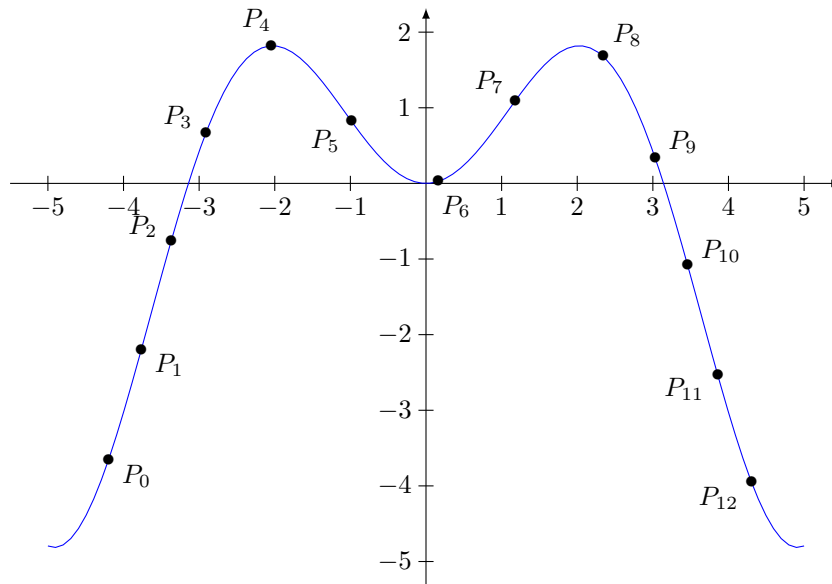
Picture DEIToomZFknFmn



Comment : The surface is filled in red, the curves are blue and the vertical segments are black.

Points and marks on a graph 1 :

Picture FunctionFive

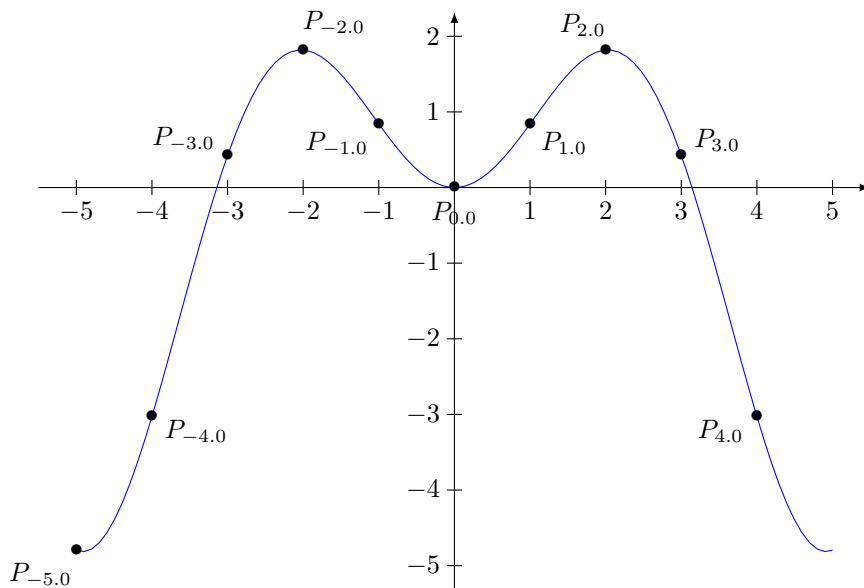


Comment :

- Points are regularly spaced with respect to the arc length
- Marks are on the exterior normal.

Points and marks on a graph 2 :

Picture FunctionFour



Comment : Points are regularly spaced with respect to abscissas.

Picture FunctionSecond

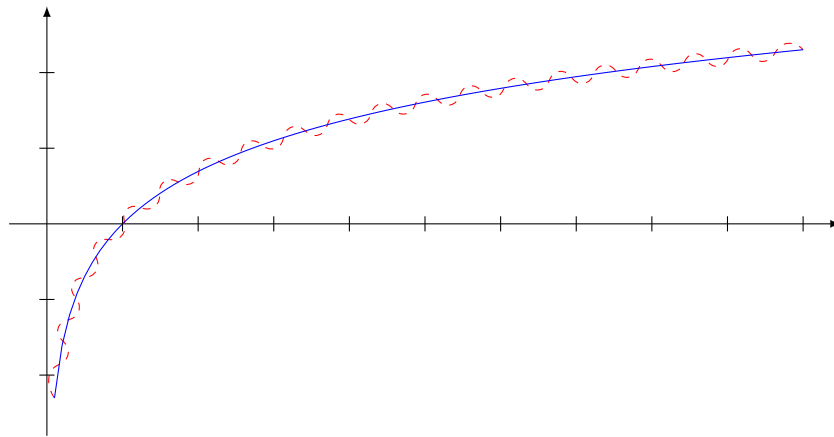
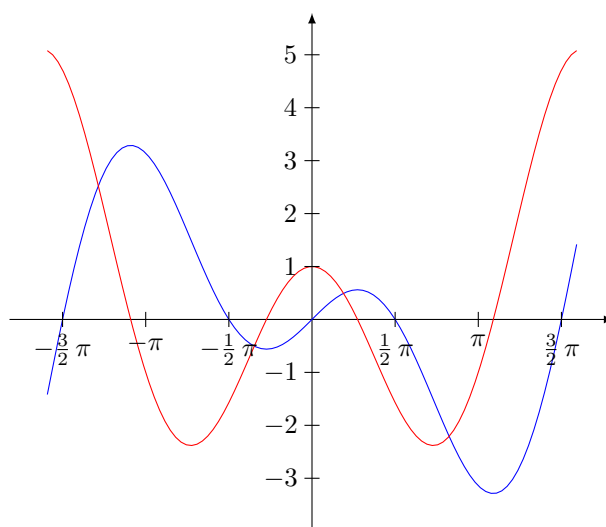


Figure YOWDooyey0Jym1



Comment : The axe is graduated with multiples of π