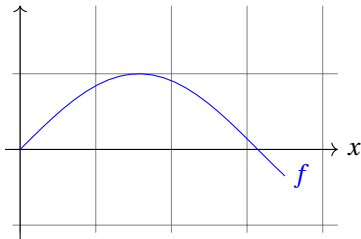
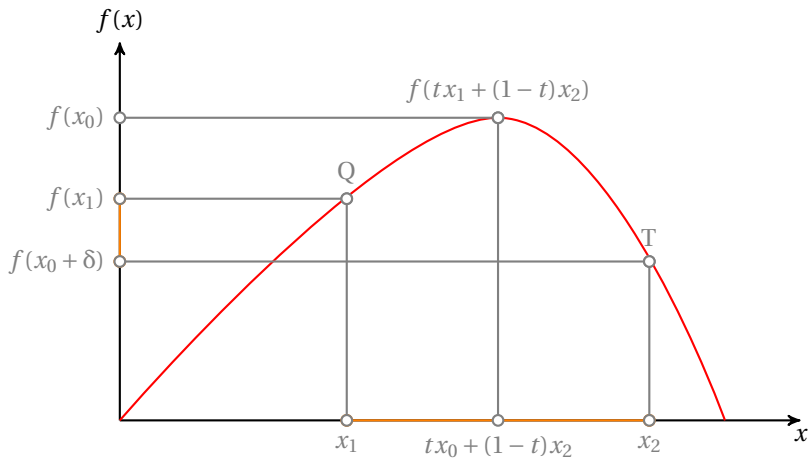


1 ./images-tikz/image-.tex

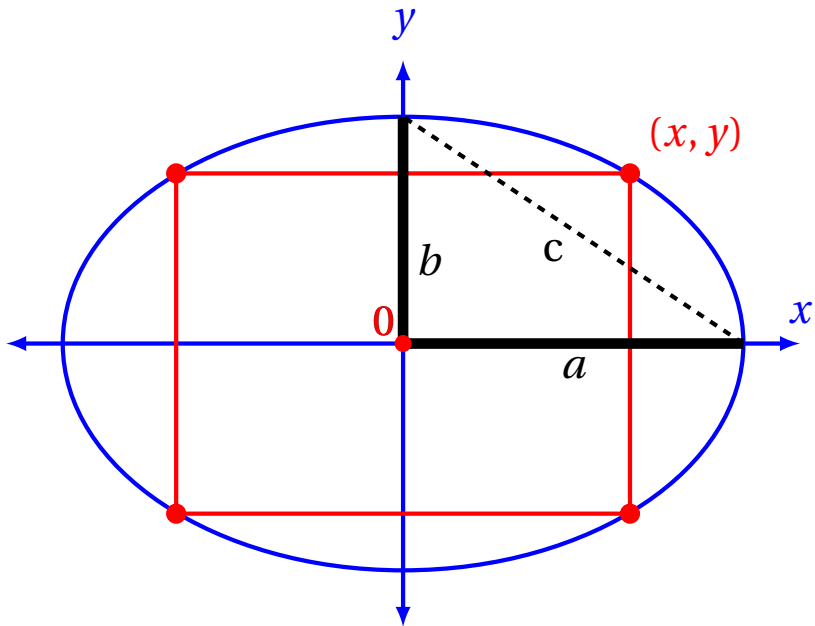
$f(x)$



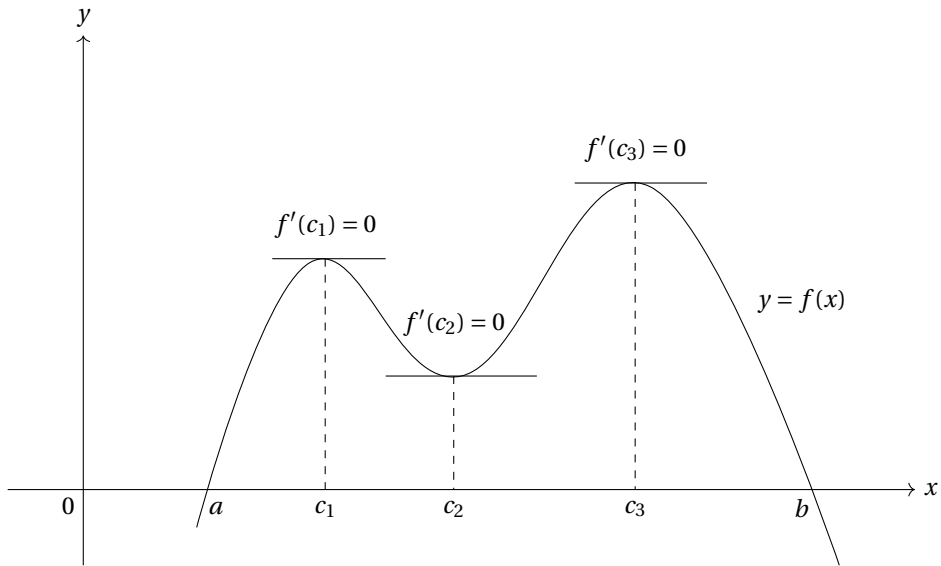
2 ./images-tikz/image-20.tex



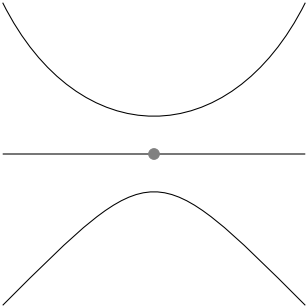
3 *./images-tikz/resuelto6-2.tex*



4 ./images-tikz/image-37.tex

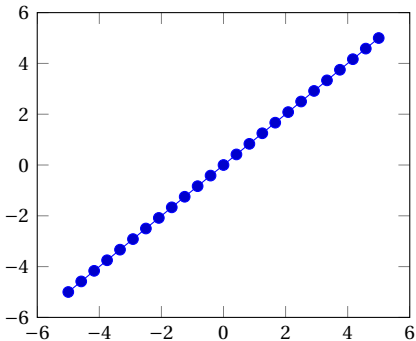


5 ./images-tikz/image-2.tex



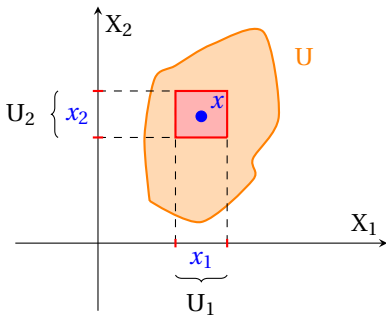
6 ./images-tikz/image-4.tex

Trimmed bounding boxes

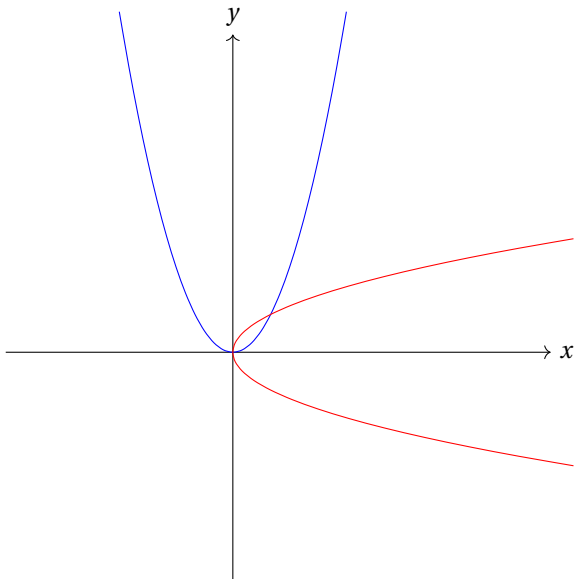


7 *./images-tikz/image-35.tex*

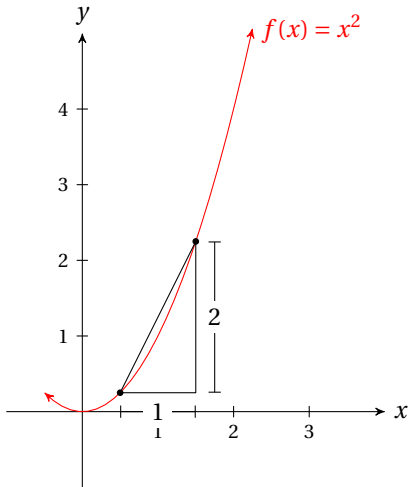
Trimmed bounding boxes



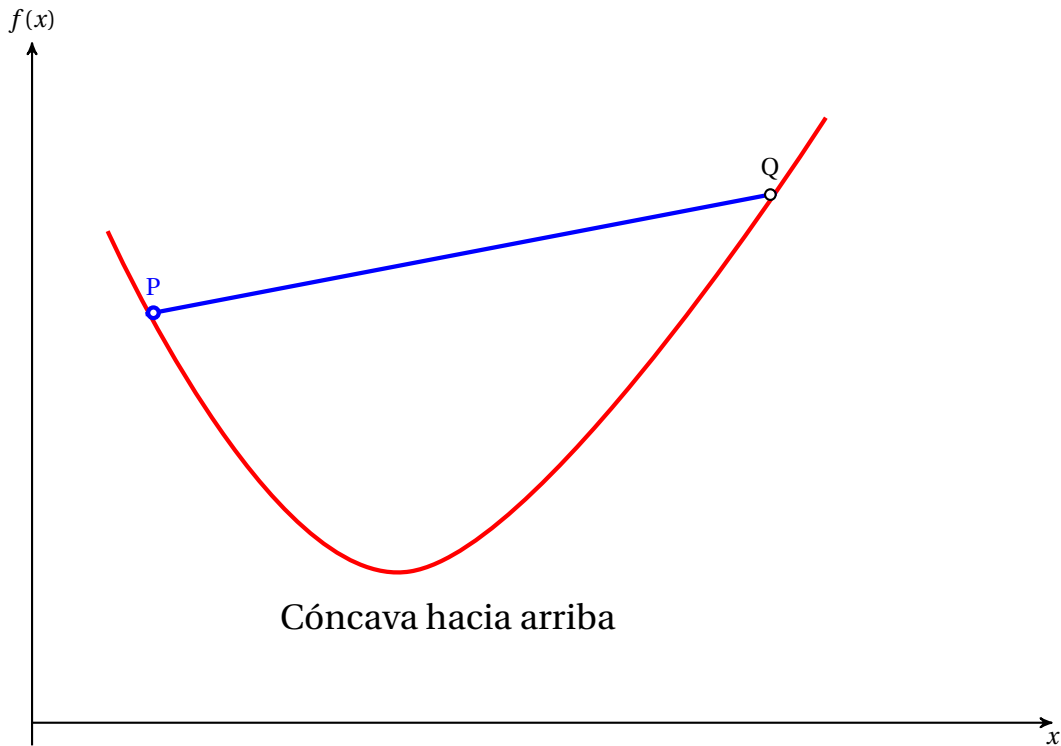
8 *./images-tikz/image-34.tex*



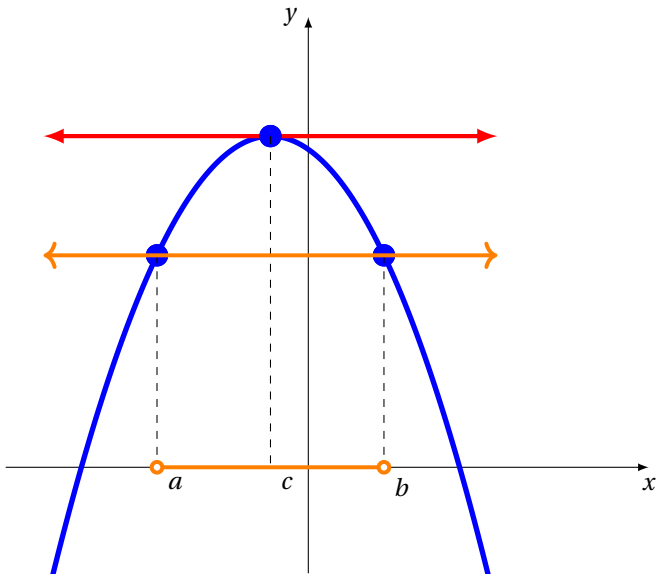
9 *./images-tikz/image-36.tex*



10 *`./images-tikz/concavidad-c.tex`*

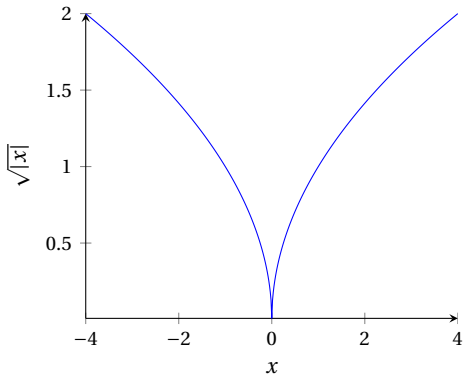


11 ./images-tikz/image-53.tex

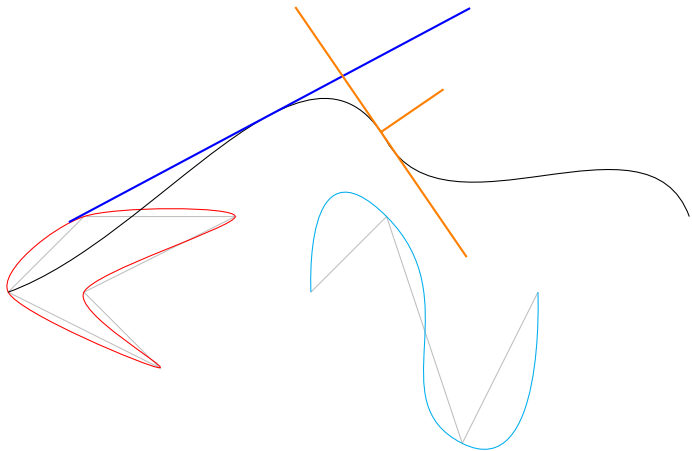


12 ./images-tikz/image-26.tex

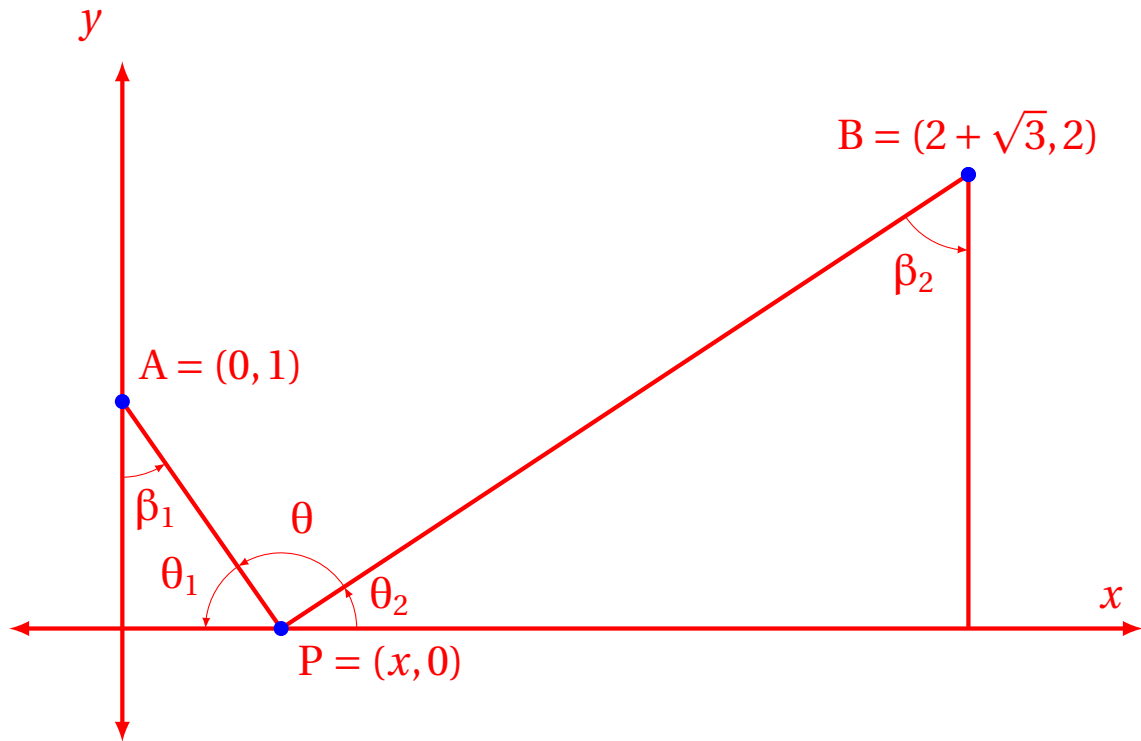
Trimmed bounding boxes



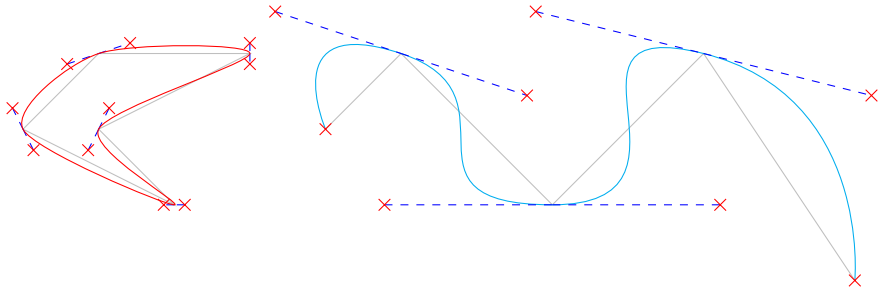
13 ./images-tikz/image-16.tex



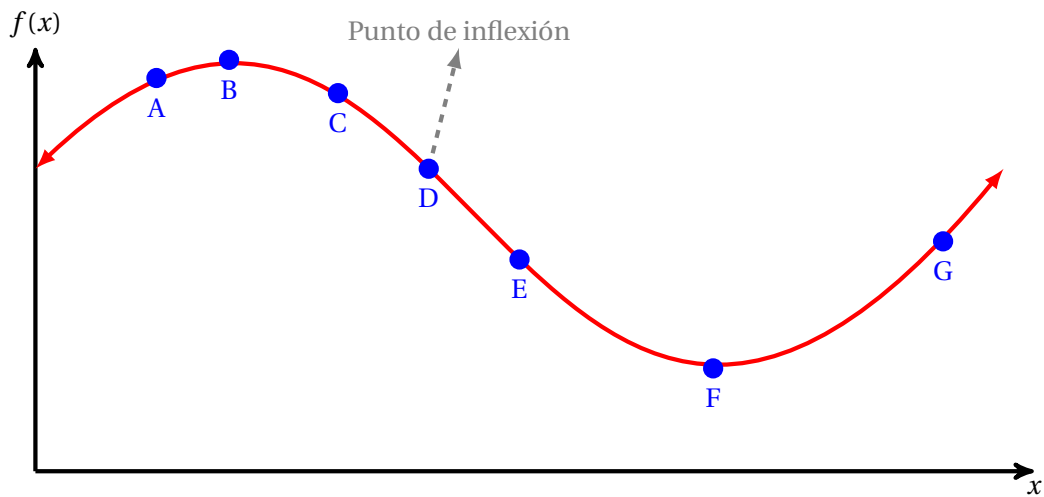
14 ./images-tikz/resuelto6-17.tex



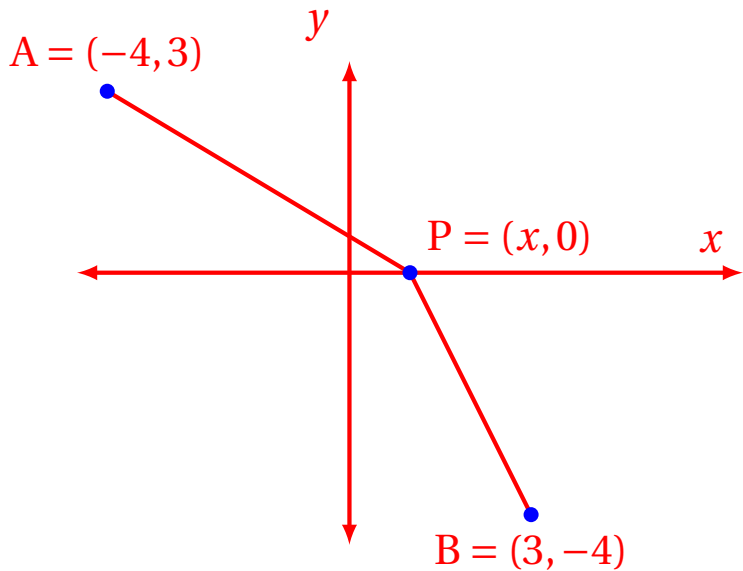
15 *./images-tikz/derivate7.tex*



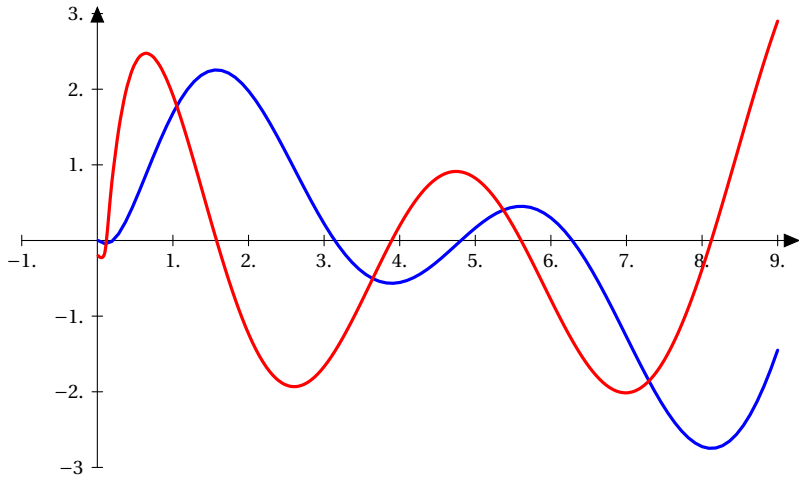
16 ./images-tikz/estudio.tex



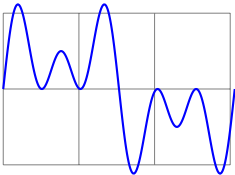
17 ./images-tikz/resuelto6-16.tex



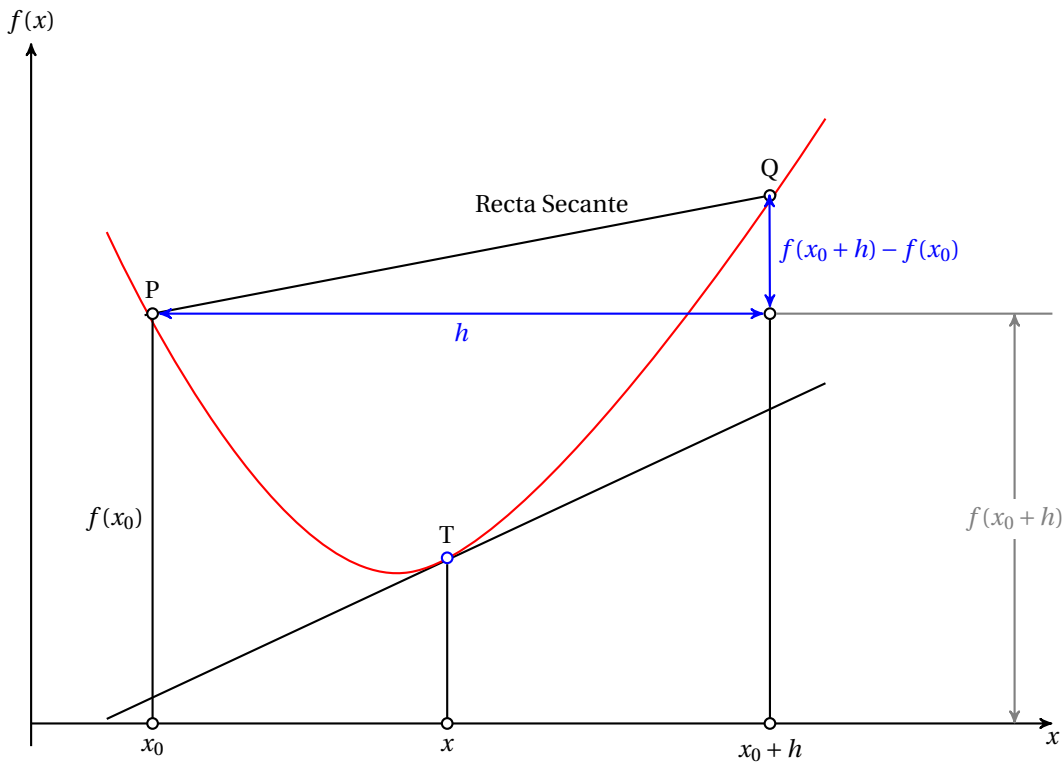
18 *./images-tikz/derivadas.tex*



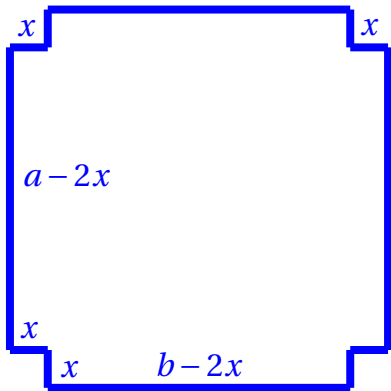
19 *./images-tikz/image-38.tex*



20 ./images-tikz/image-19.tex

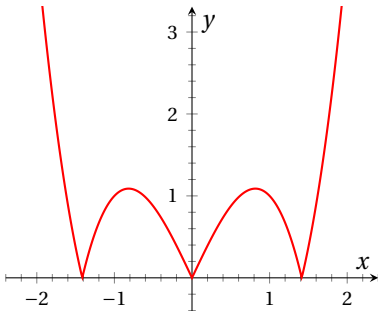


21 *./images-tikz/resuelto6-5.tex*



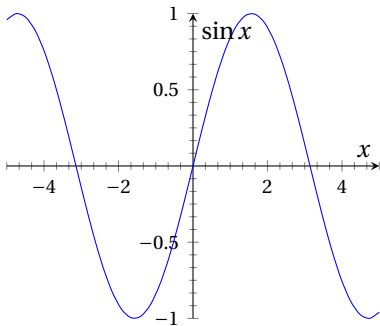
22 ./images-tikz/image-12.tex

Trimmed bounding boxes

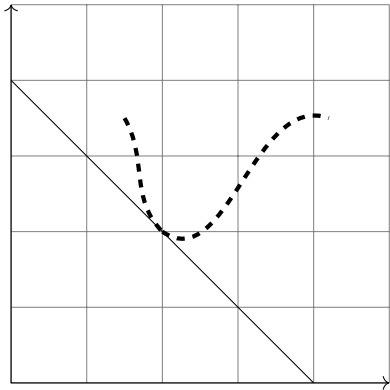


23 ./images-tikz/image-27.tex

Trimmed bounding boxes

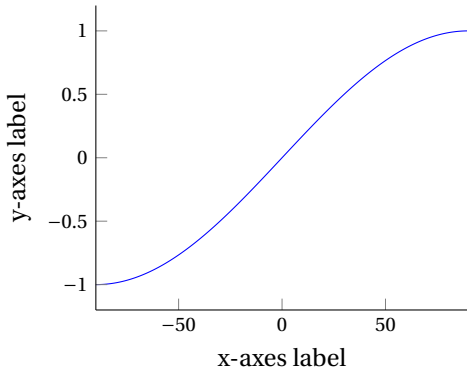


24 ./images-tikz/image-18.tex

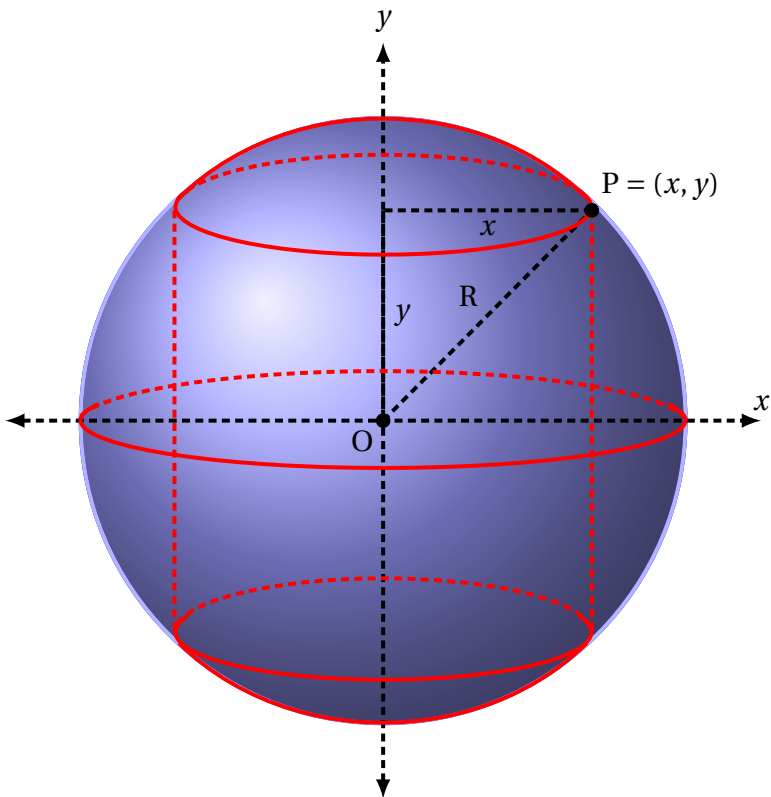


25 ./images-tikz/senx4.tex

Trimmed bounding boxes

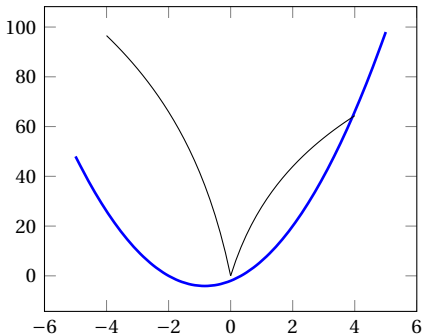


26 *./images-tikz/resuelto6-9.tex*

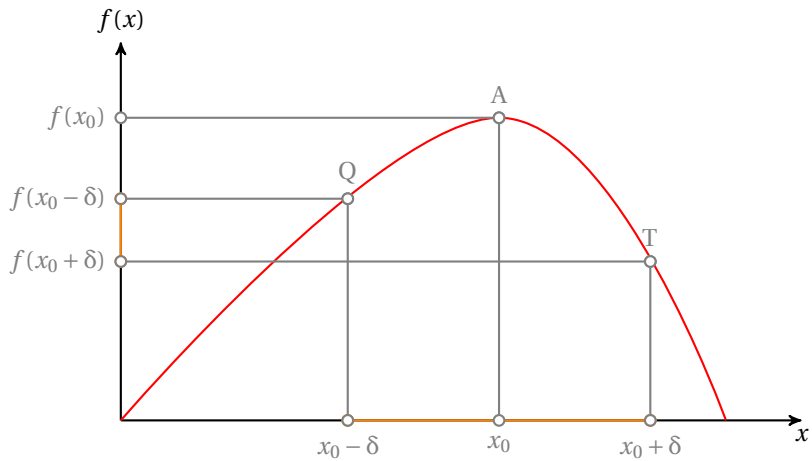


27 ./images-tikz/image-5.tex

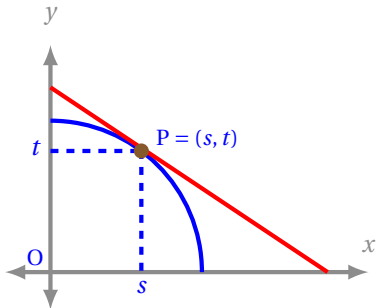
Trimmed bounding boxes



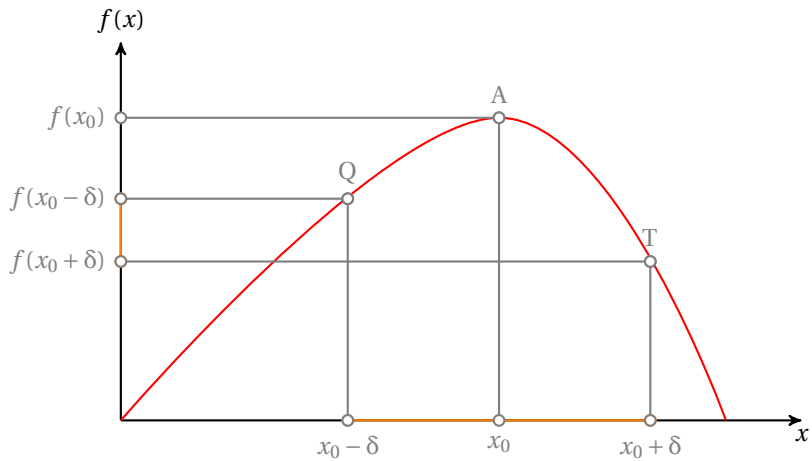
28 ***./images-tikz/extremo-rel.tex***



29 *`./images-tikz/resuelto6-4.tex`*

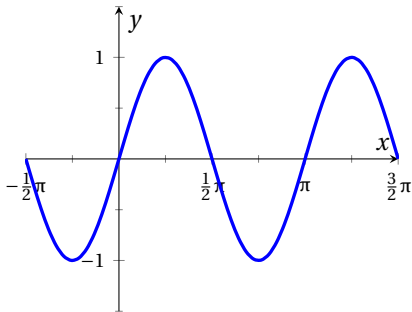


30 ***./images-tikz/img-xx20.tex***

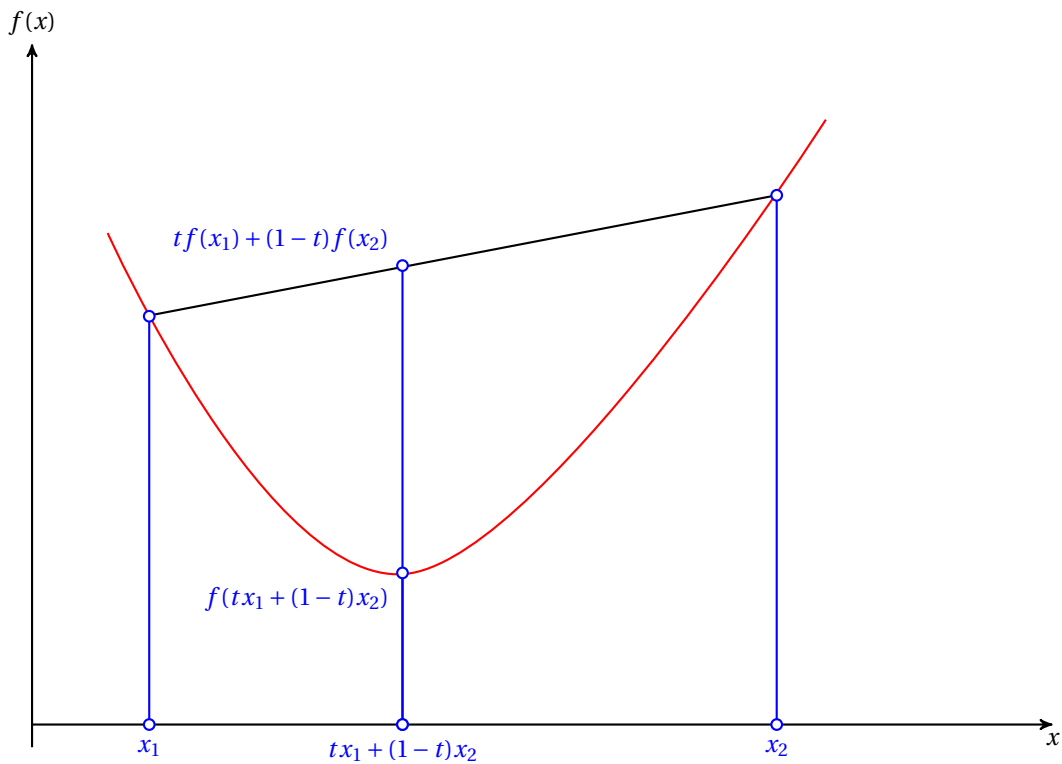


31 ./images-tikz/senx.tex

Trimmed bounding boxes

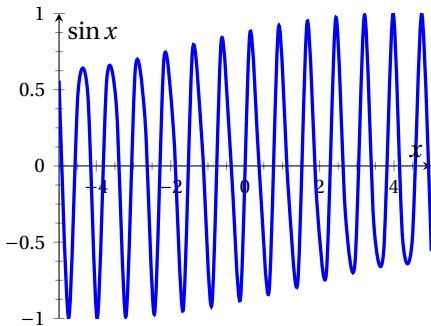


32 ***`./images-tikz/concavidad-arr.tex`***

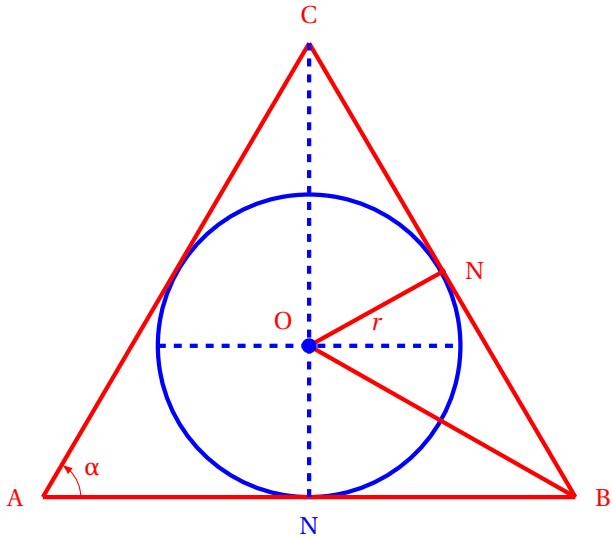


33 *./images-tikz/image-28.tex*

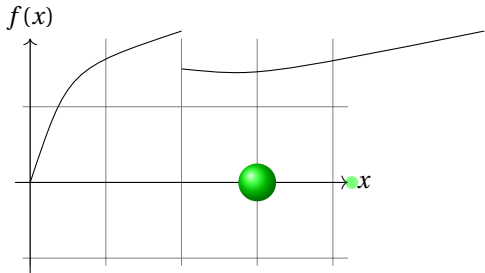
Trimmed bounding boxes



34 *./images-tikz/resuelto6-14.tex*

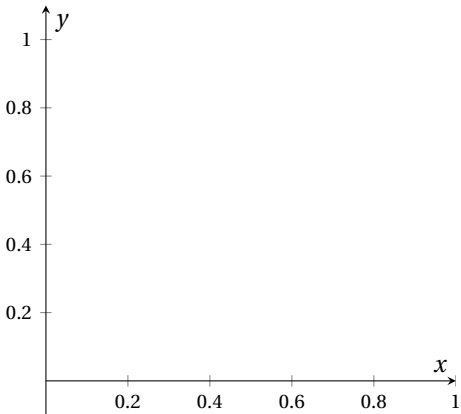


35 *./images-tikz/image-9.tex*



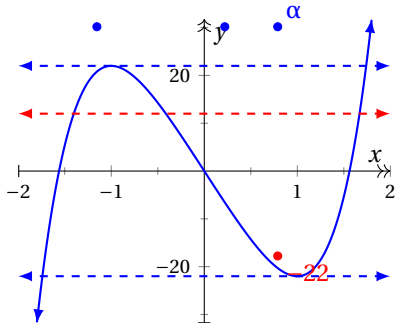
36 ./images-tikz/image-39.tex

Trimmed bounding boxes



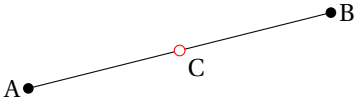
37 *./images-tikz/resuelto6-18.tex*

Trimmed bounding boxes



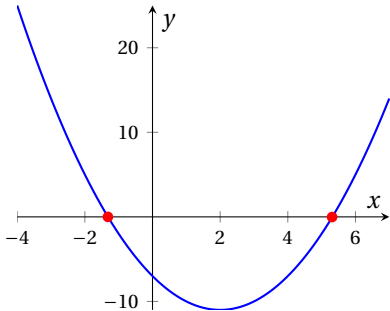
$y = \alpha$

38 *./images-tikz/image-11.tex*



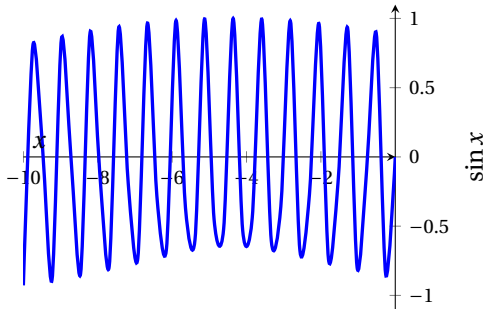
39 *./images-tikz/image-42.tex*

Trimmed bounding boxes

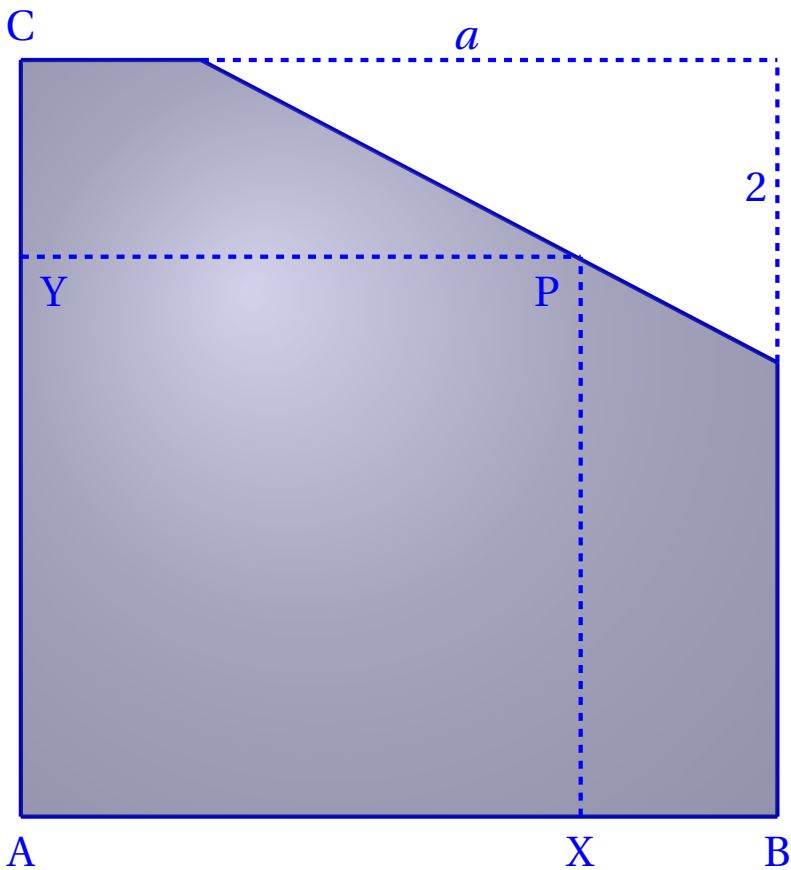


40 ./images-tikz/image-25.tex

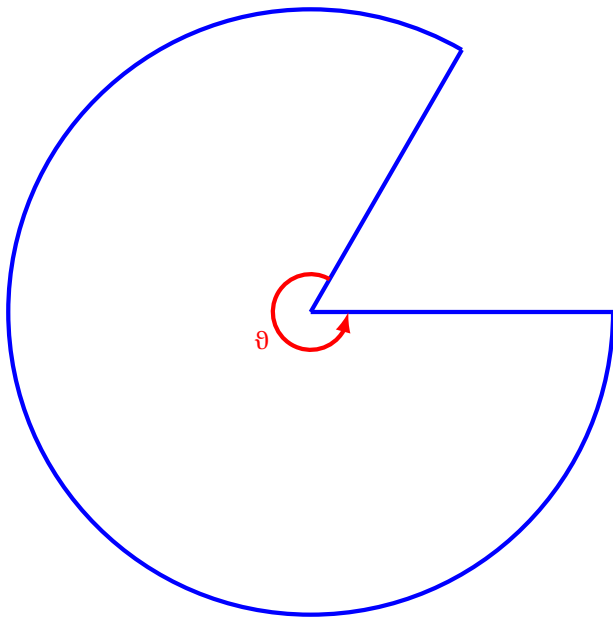
Trimmed bounding boxes



41 ./images-tikz/espejo.tex

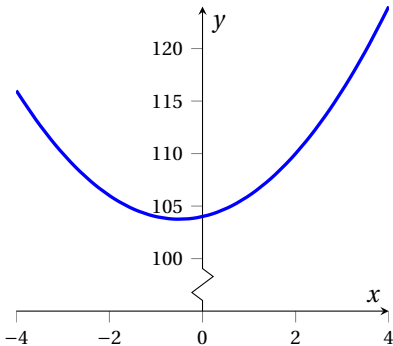


42 ./images-tikz/resuelto6-11.tex



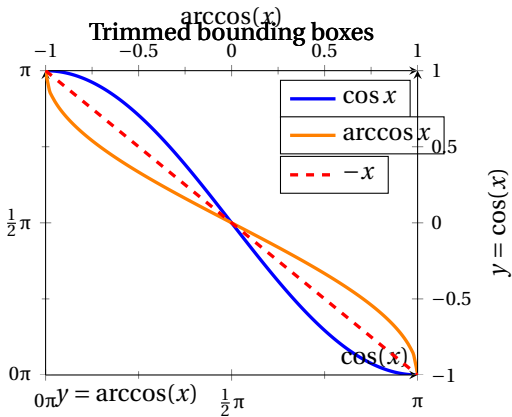
43 ./images-tikz/image-30.tex

Trimmed bounding boxes

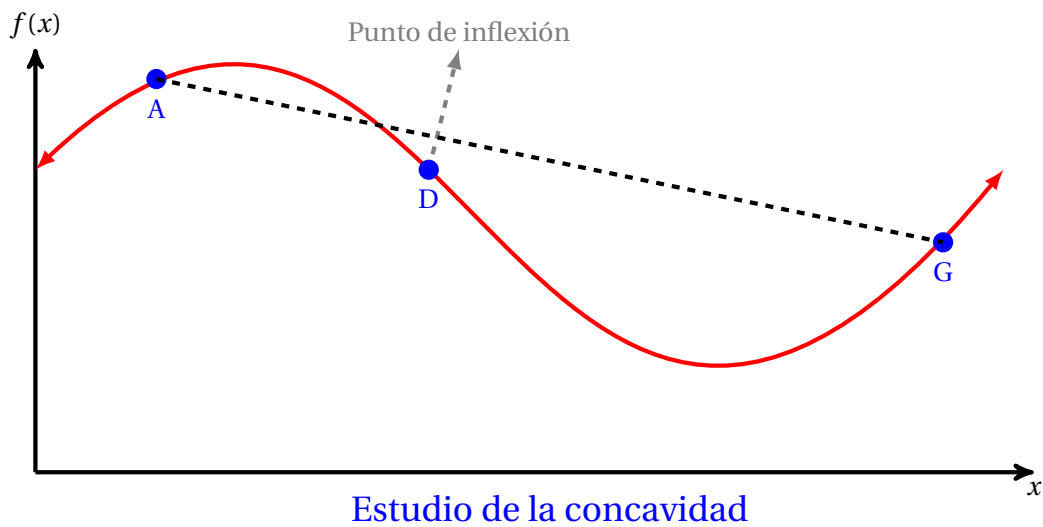


44 *./images-tikz/cos.tex*

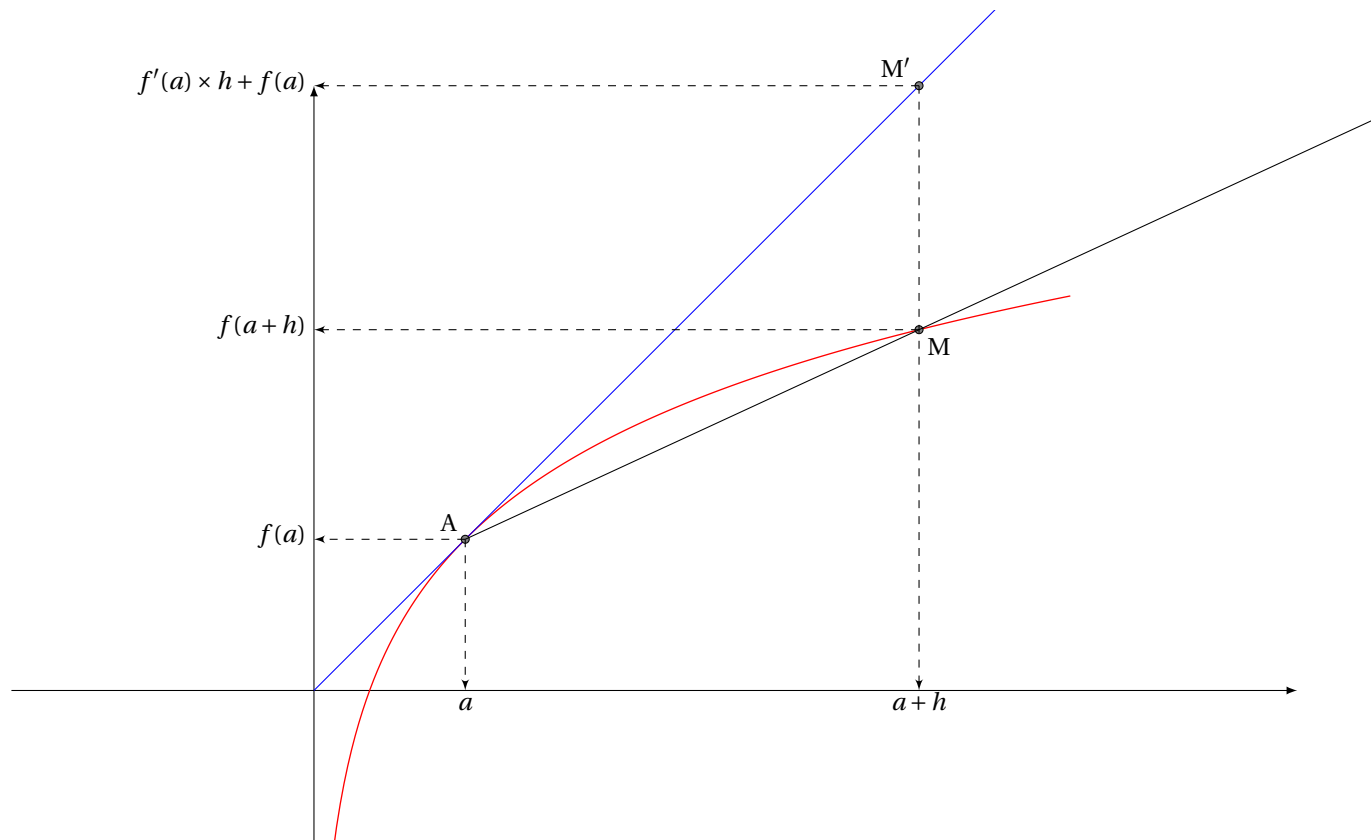
Trimmed bounding boxes

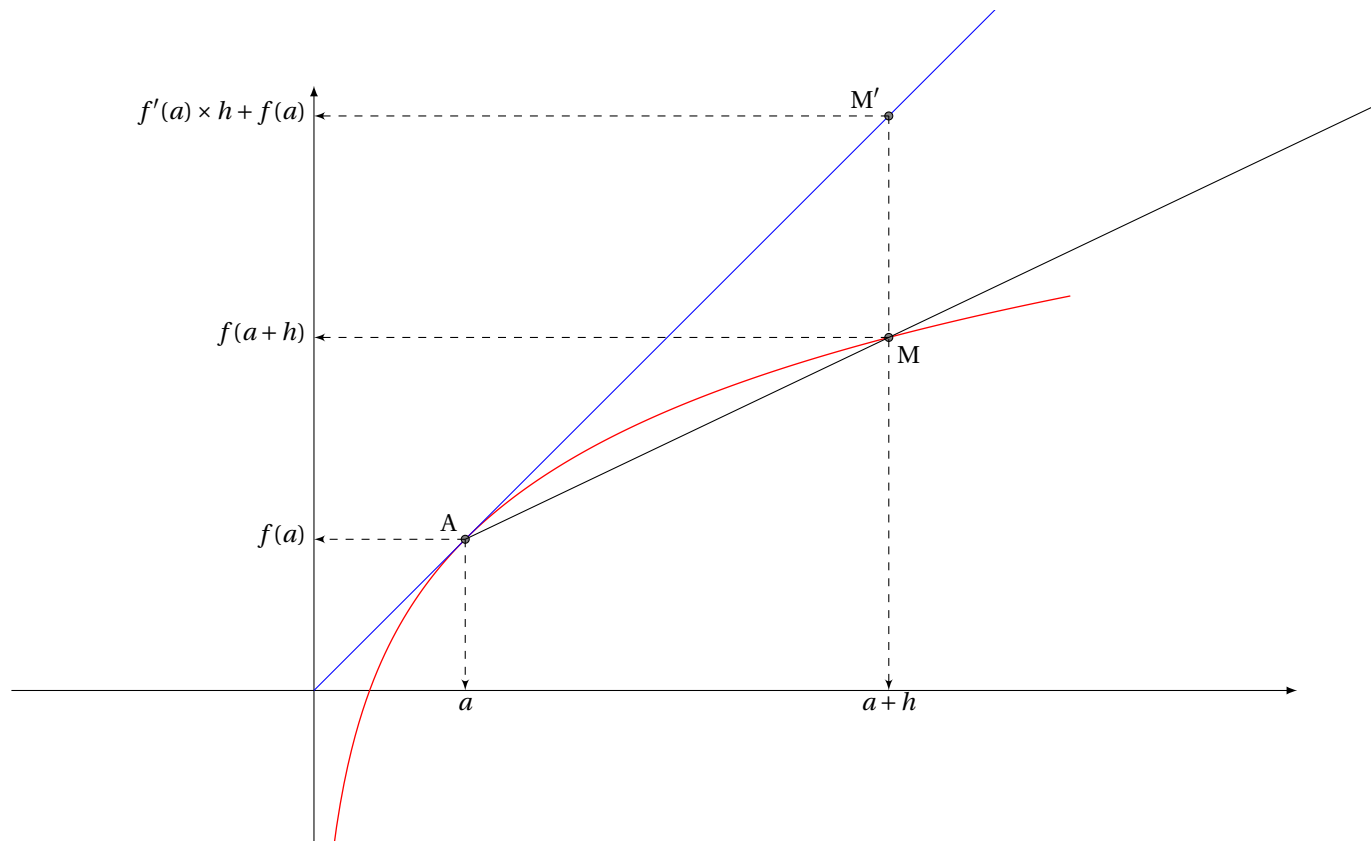


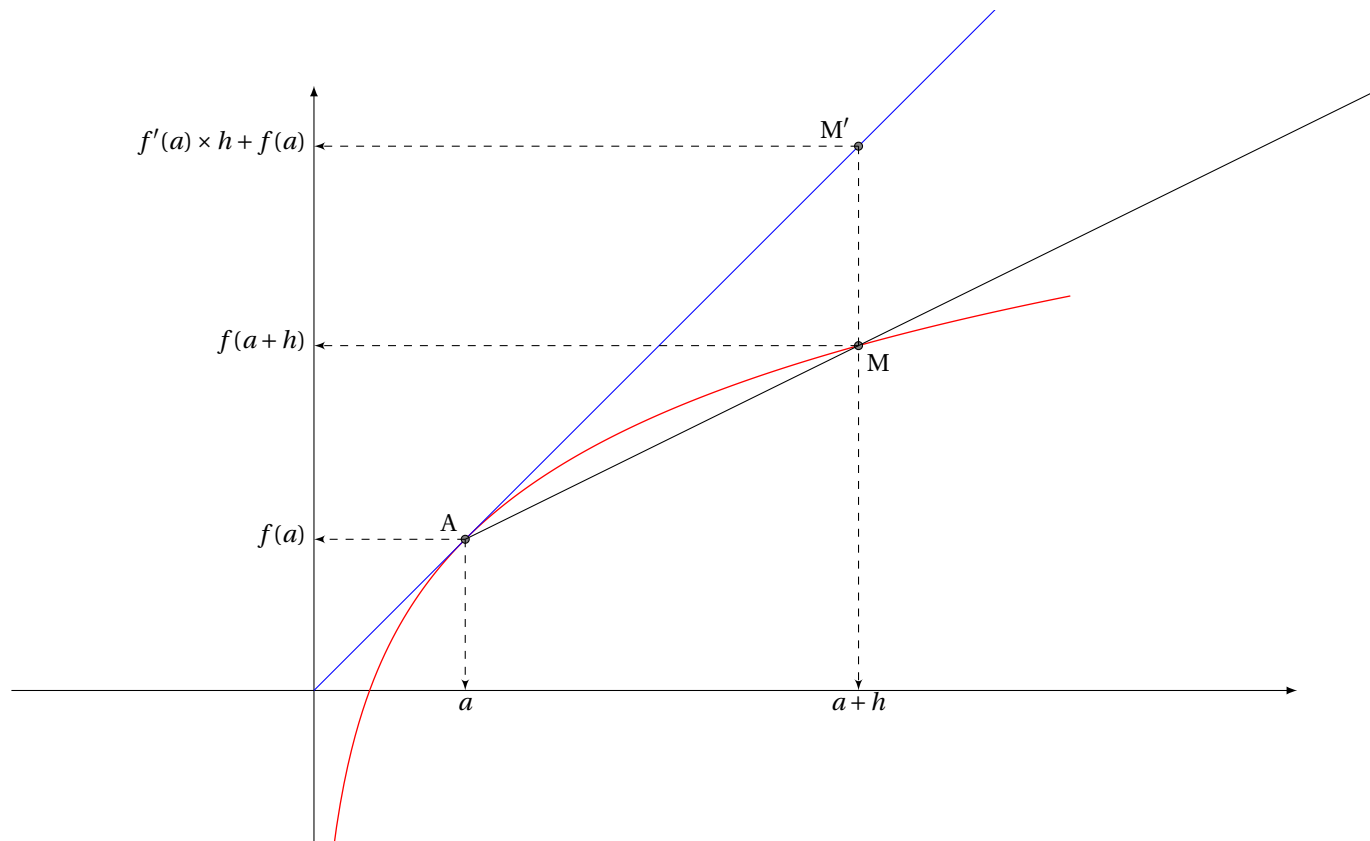
45 *`./images-tikz/est-concavidad.tex`*

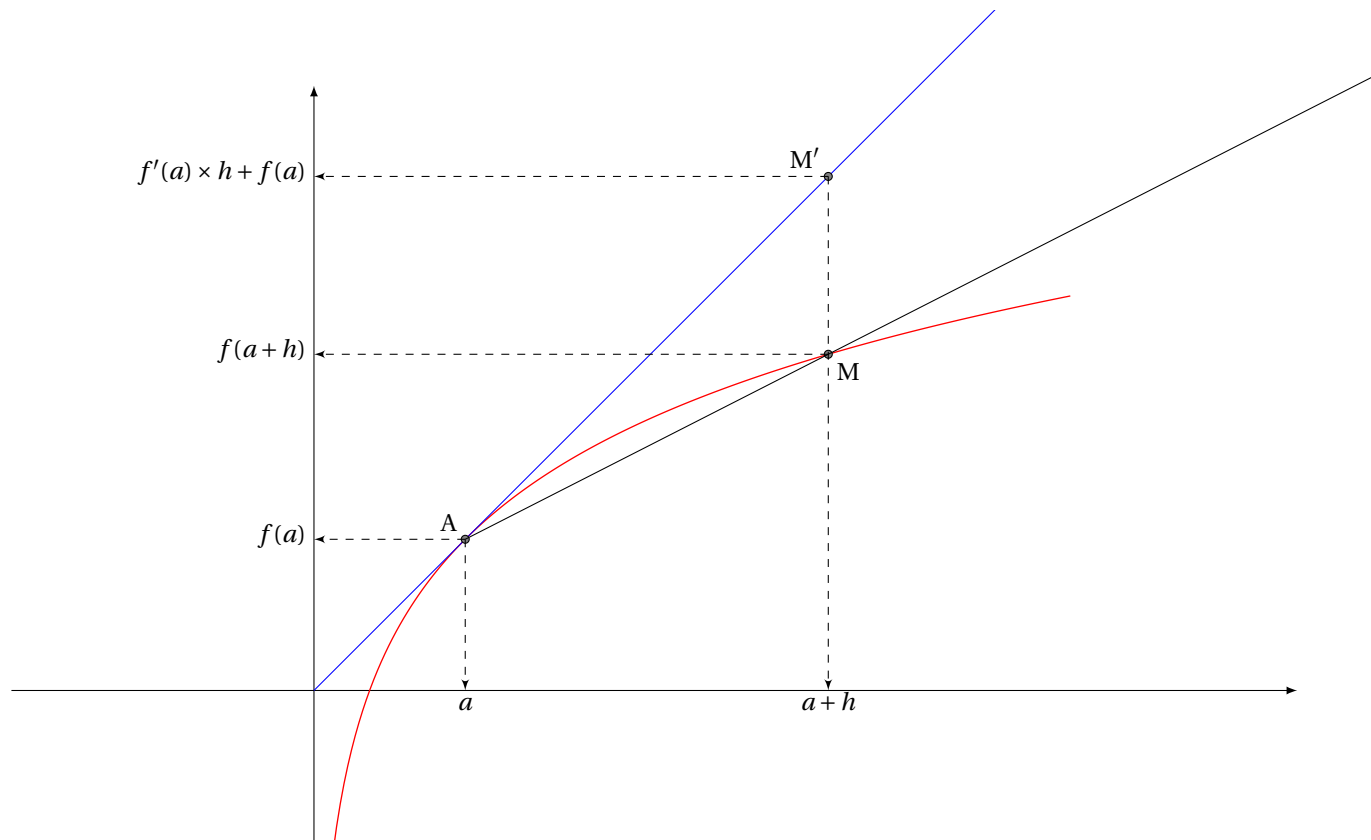


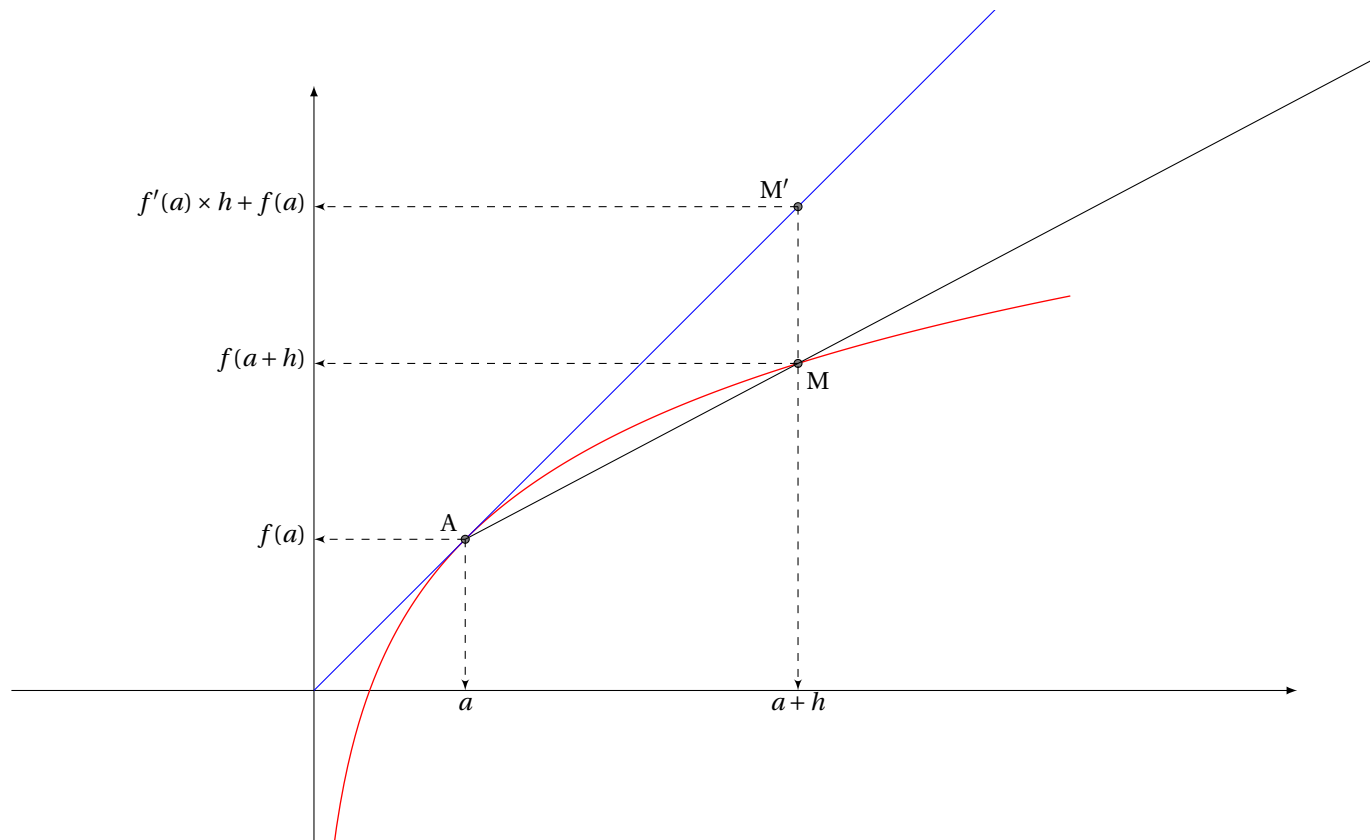
46 ./images-tikz/derivate2.tex

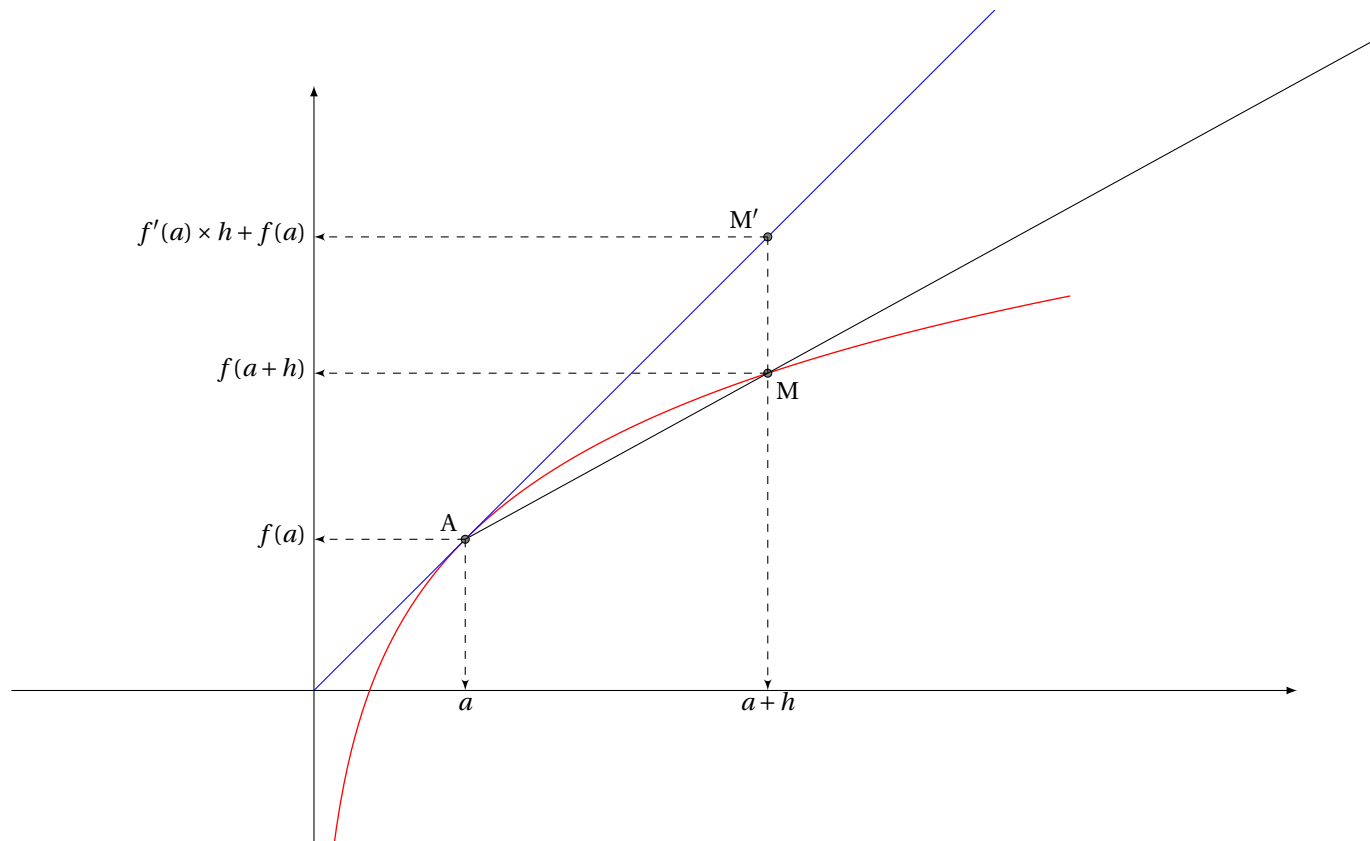


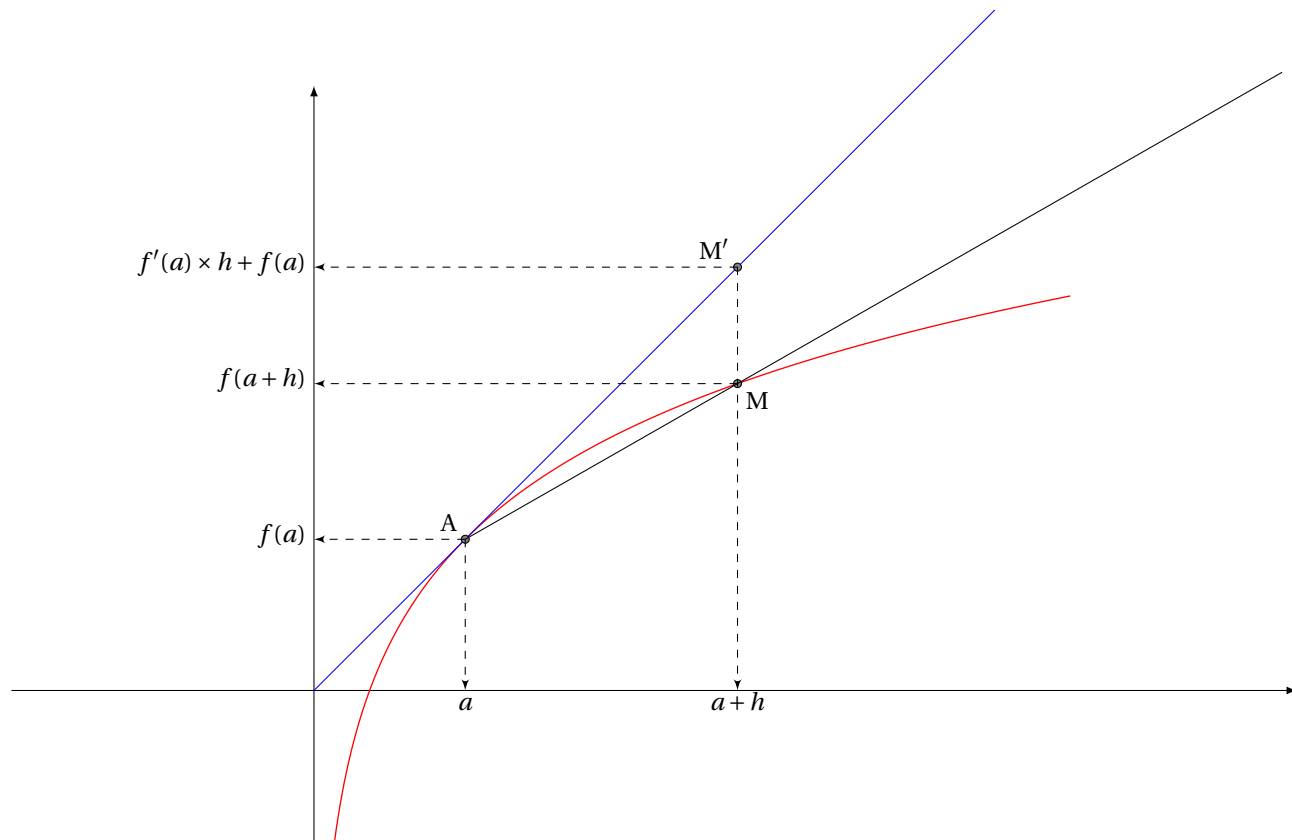


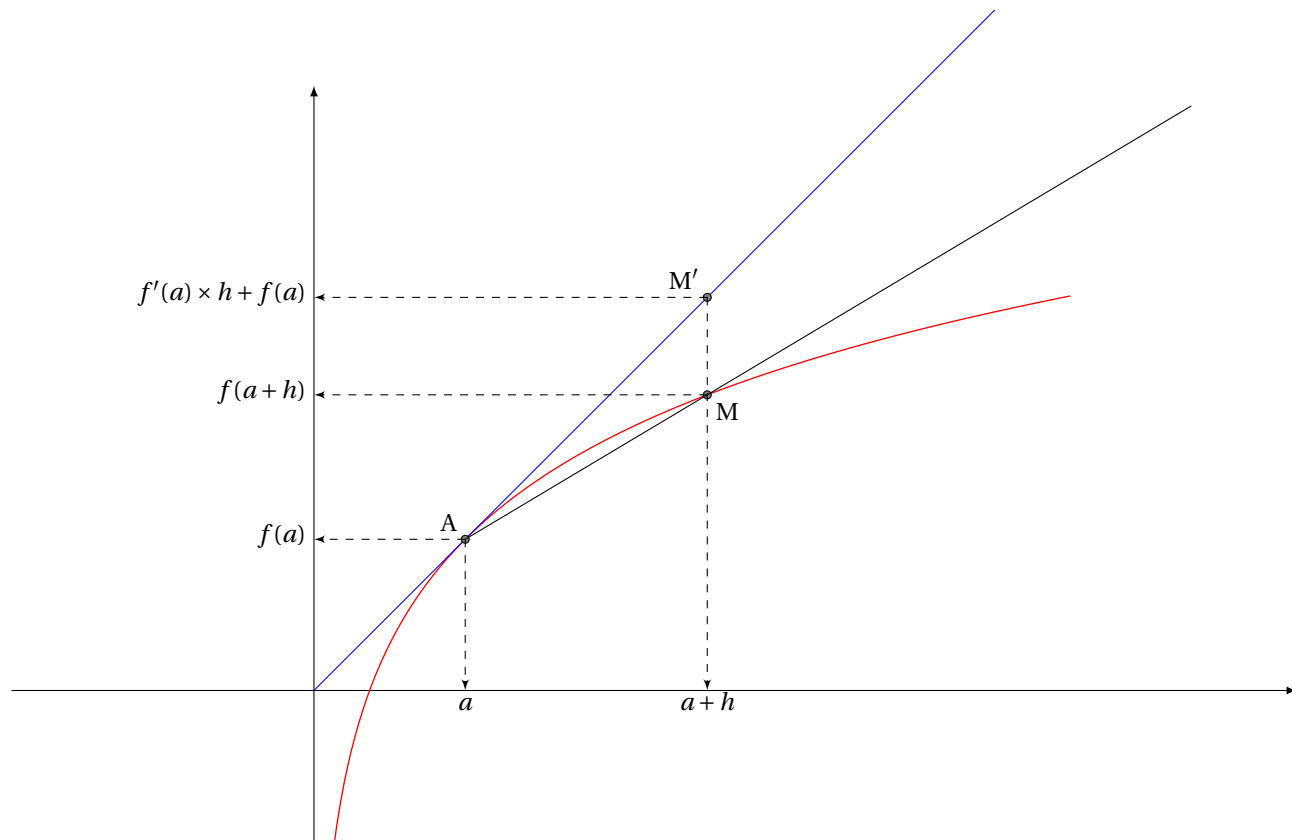


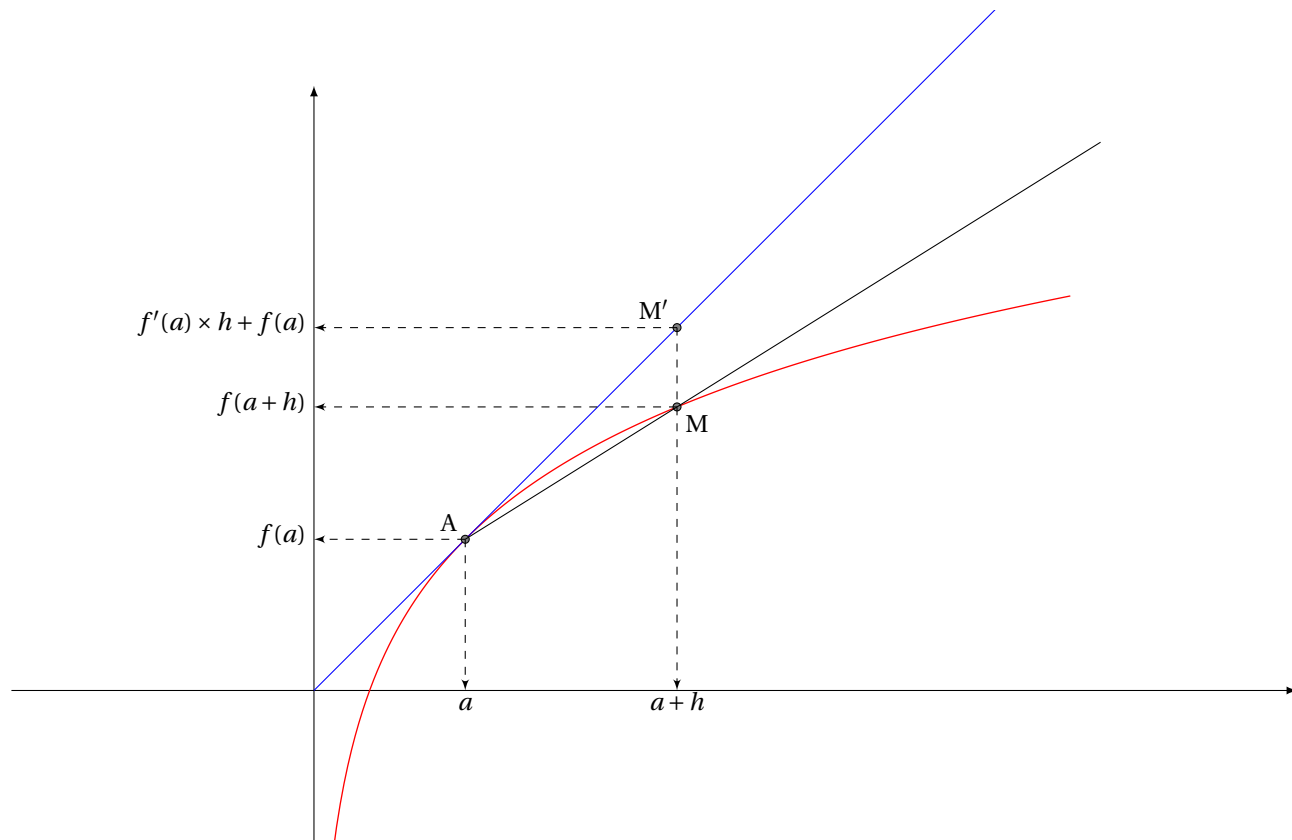


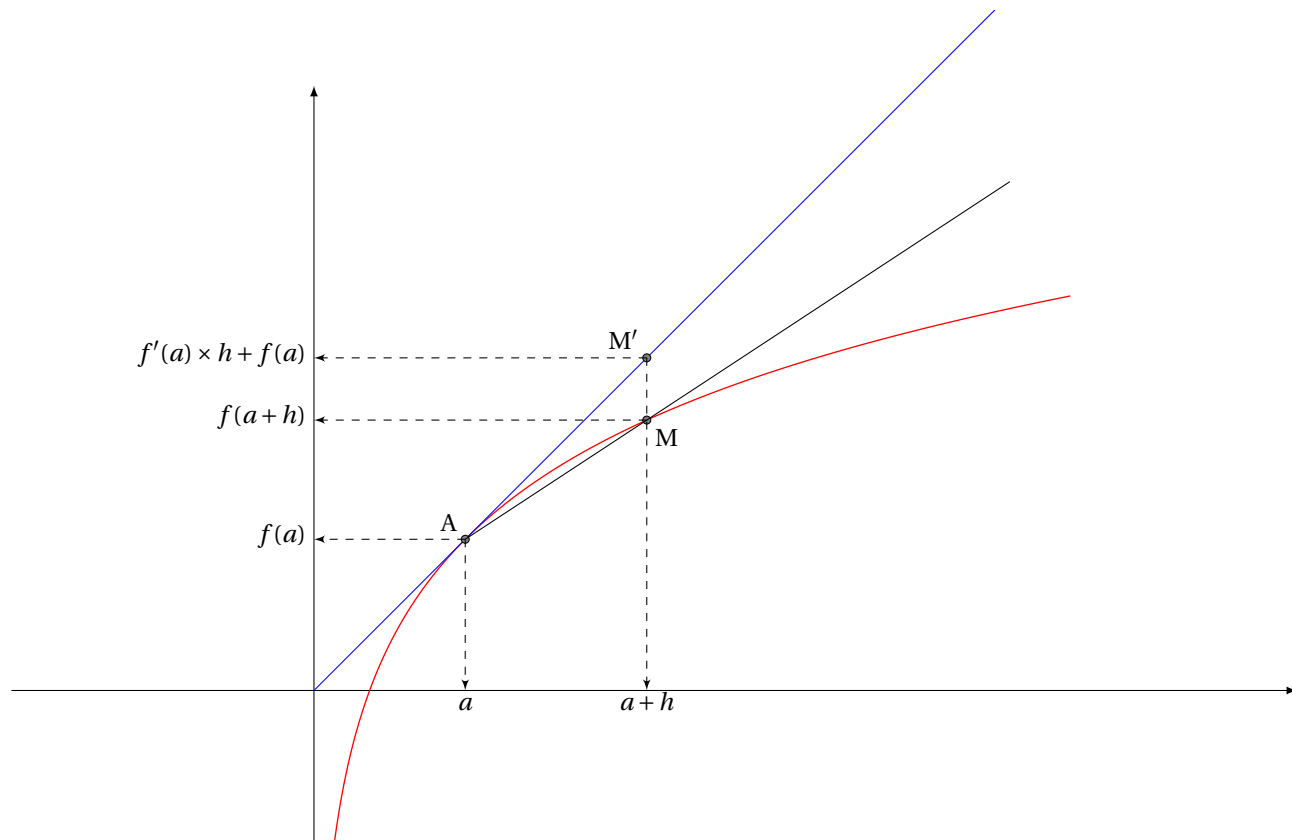


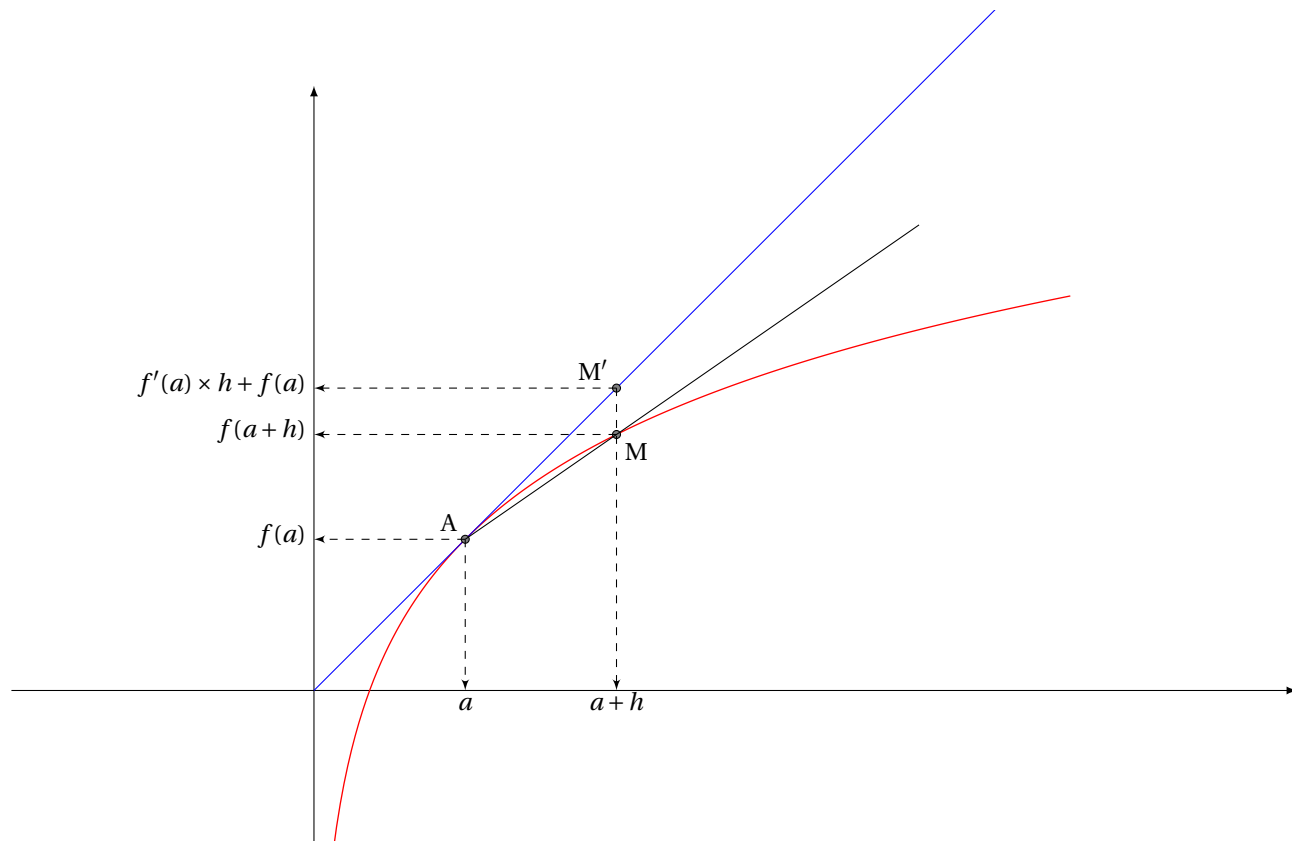


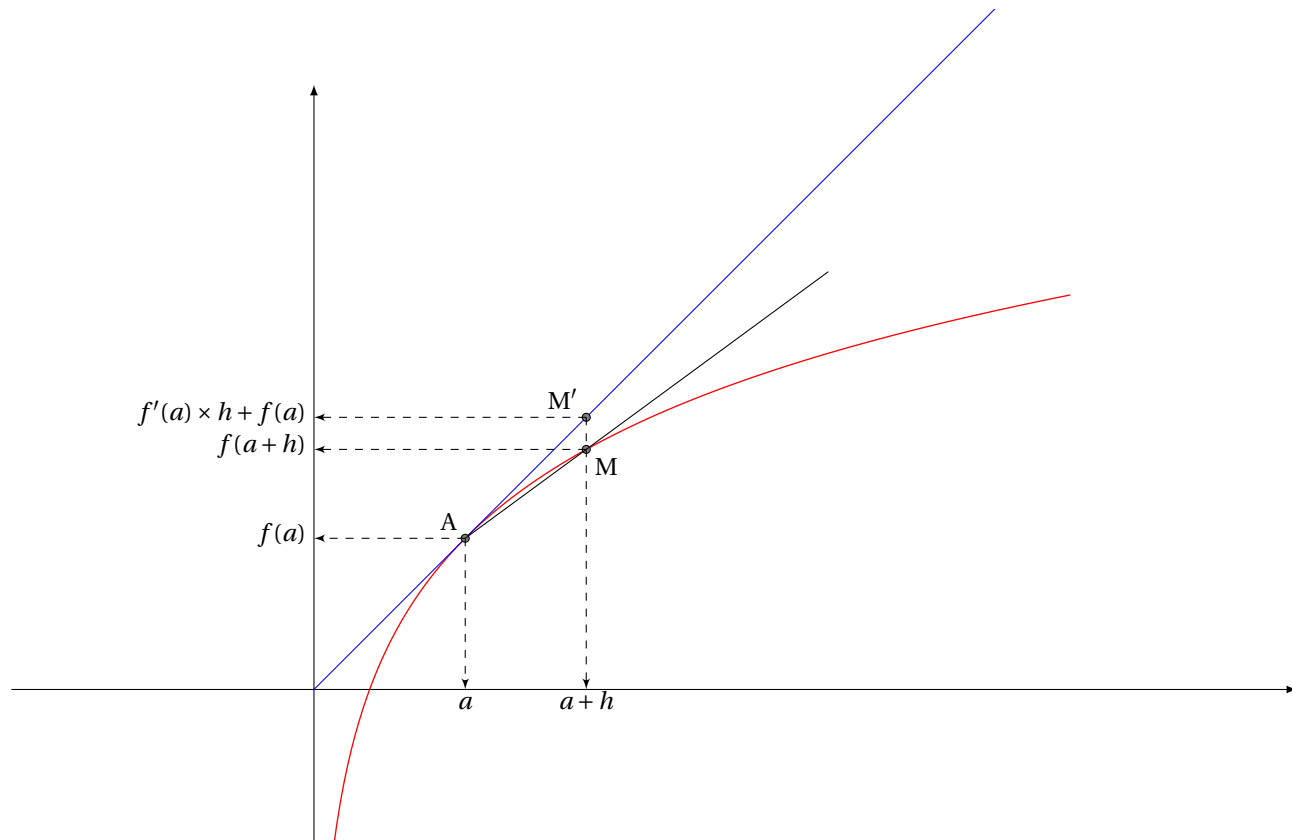


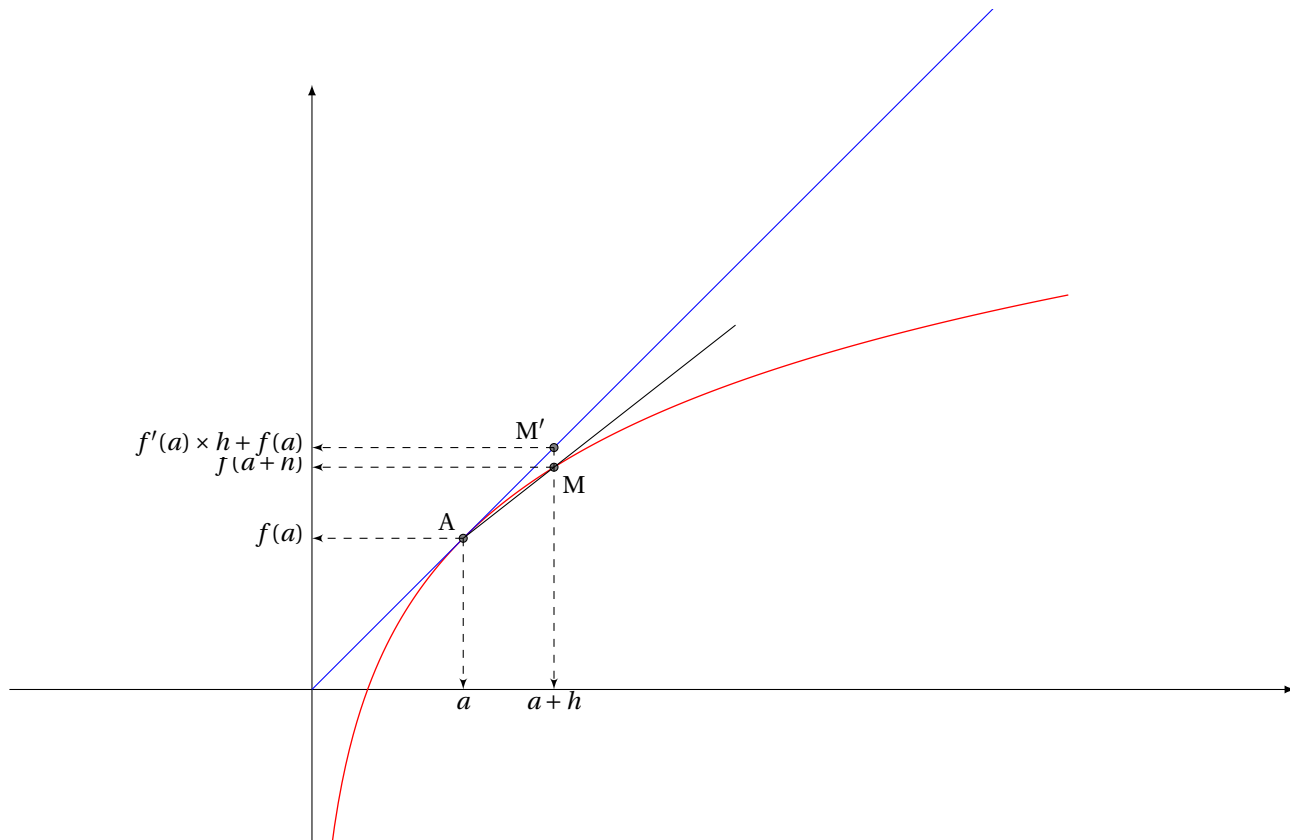


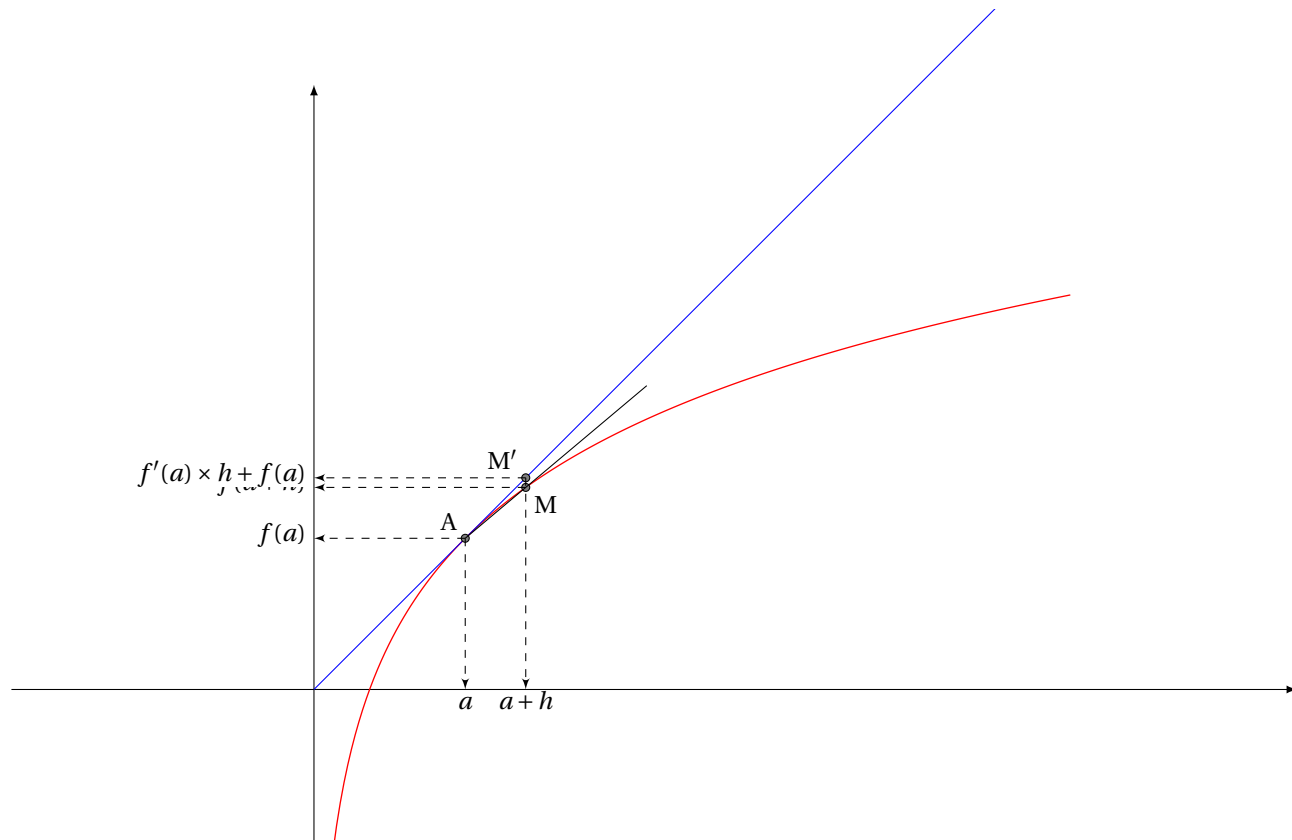


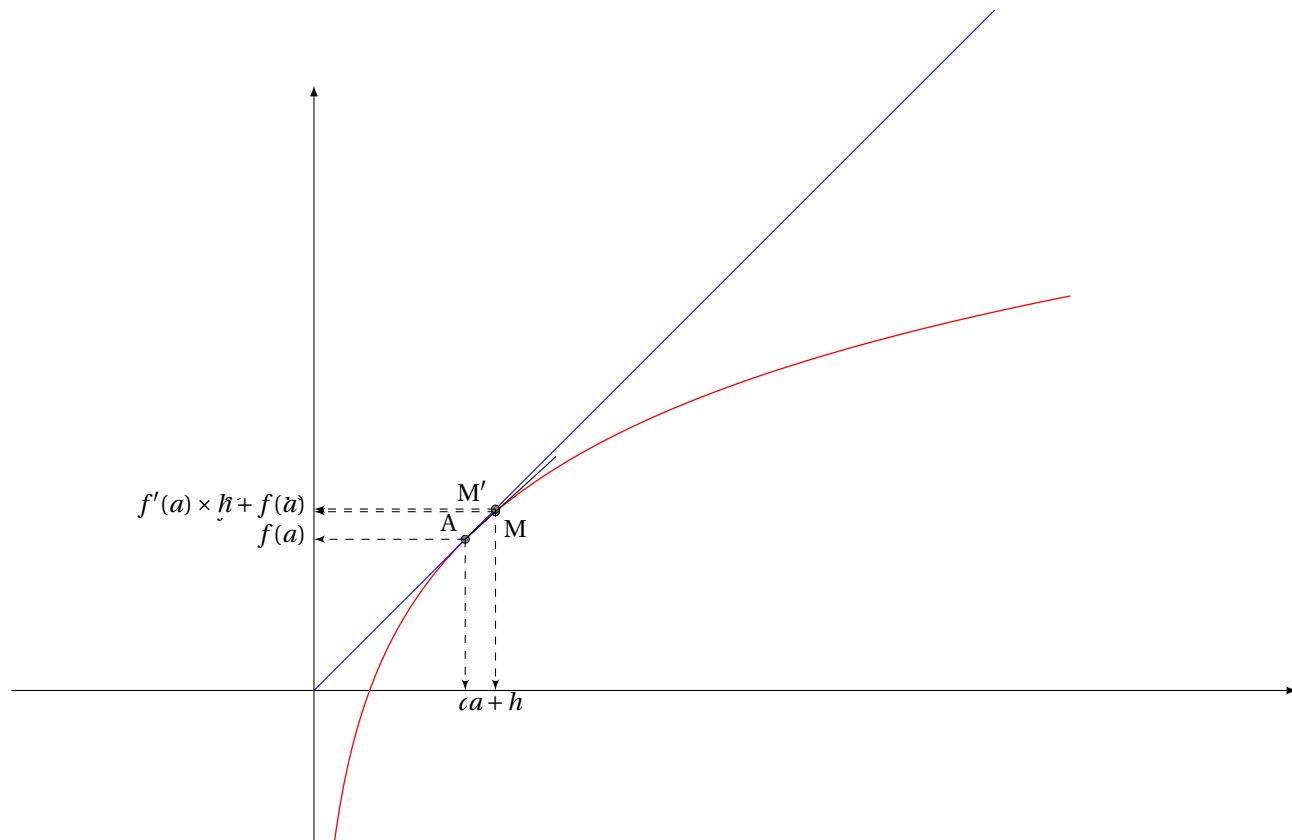


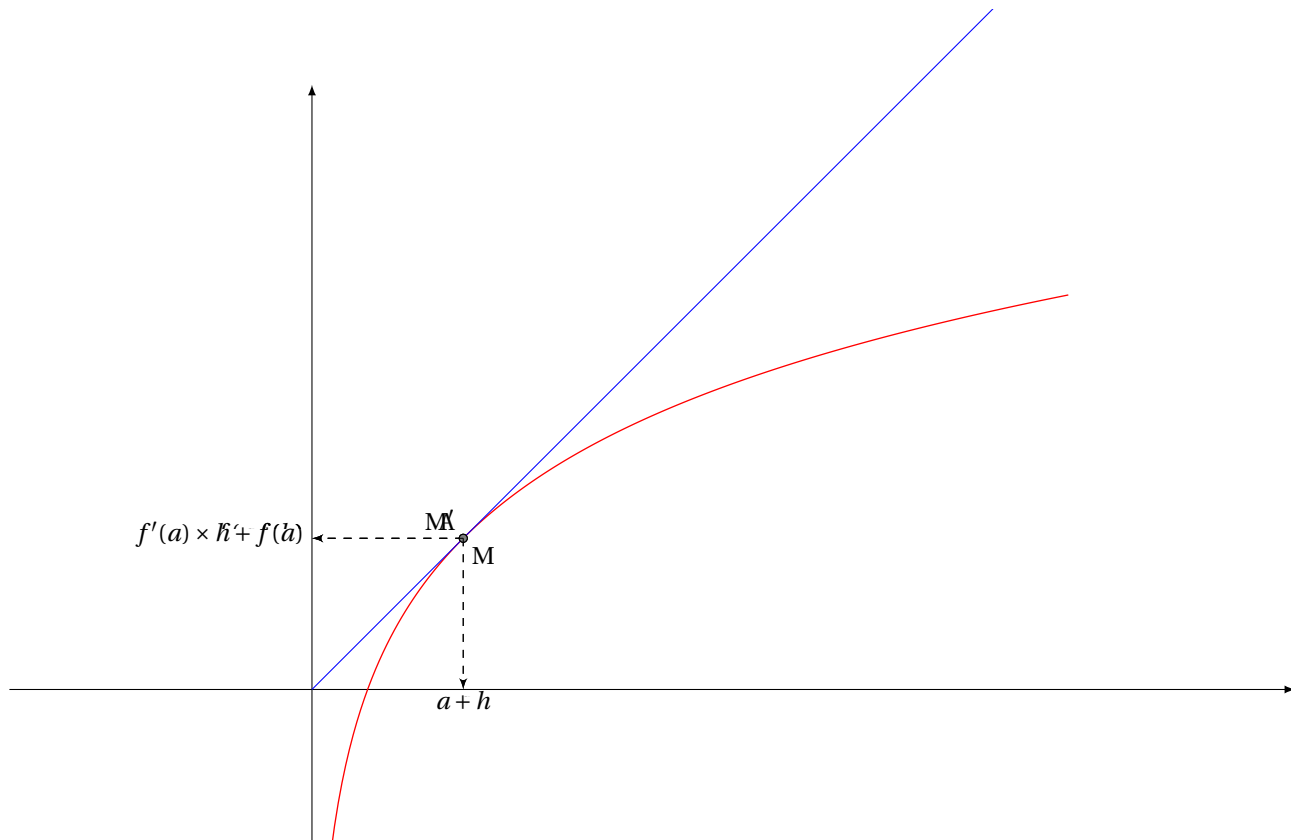




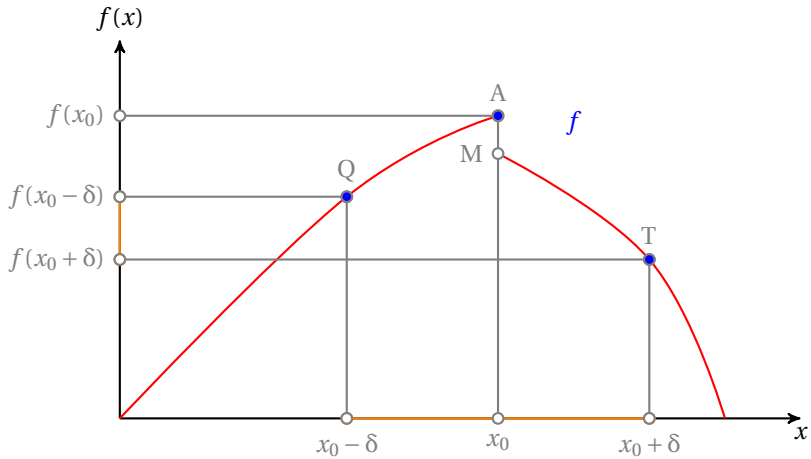






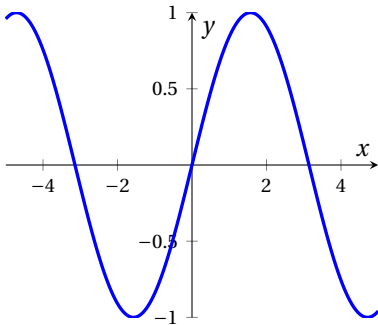


47 ./images-tikz/image-21.tex

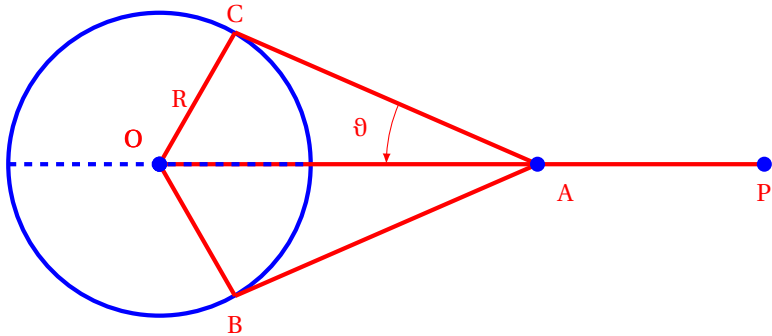


48 *./images-tikz/image-13.tex*

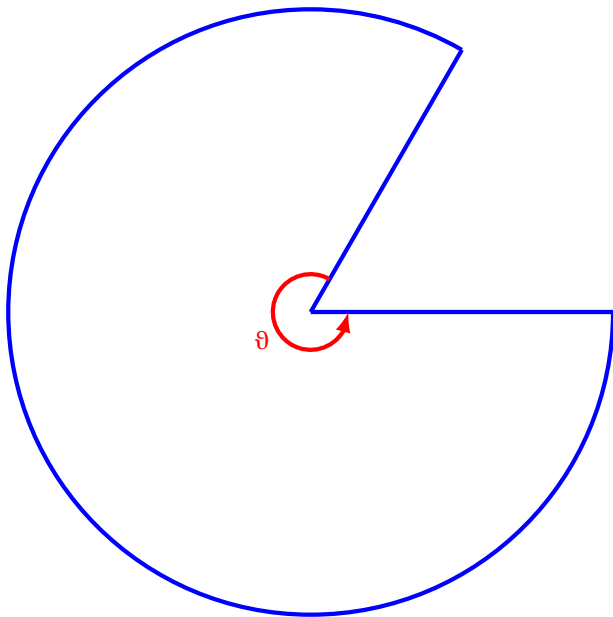
Trimmed bounding boxes



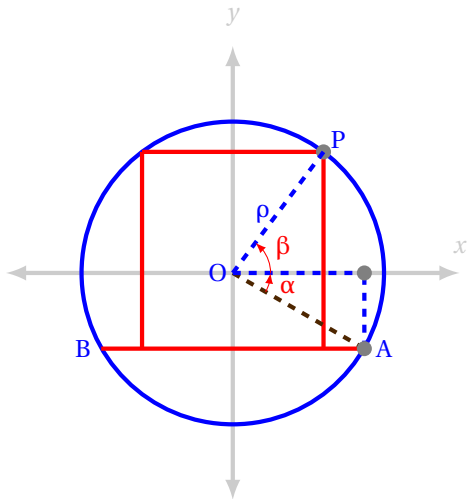
49 *./images-tikz/resuelto6-15.tex*



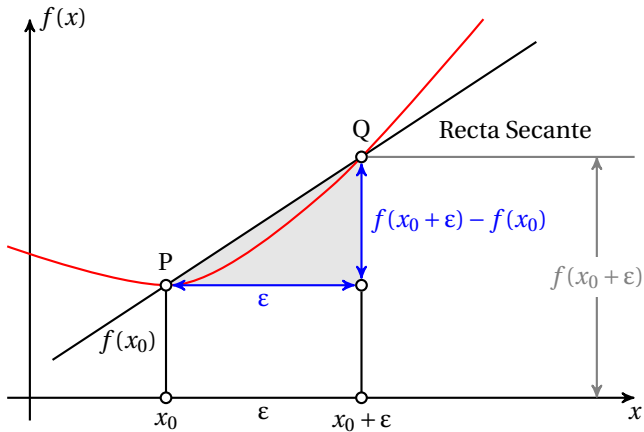
50 *`./images-tikz/resuelto6-10.tex`*



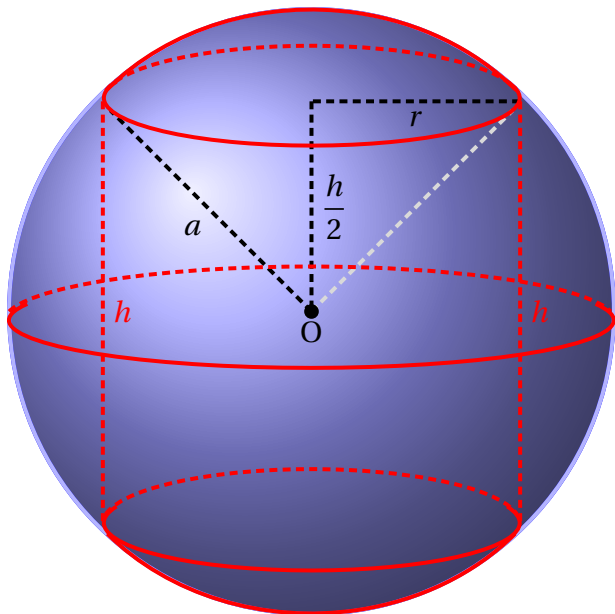
51 ./images-tikz/resuelto6-3.tex



52 *./images-tikz/image-15.tex*

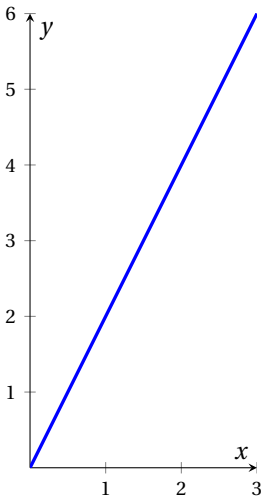


53 *./images-tikz/resuelto6-6.tex*

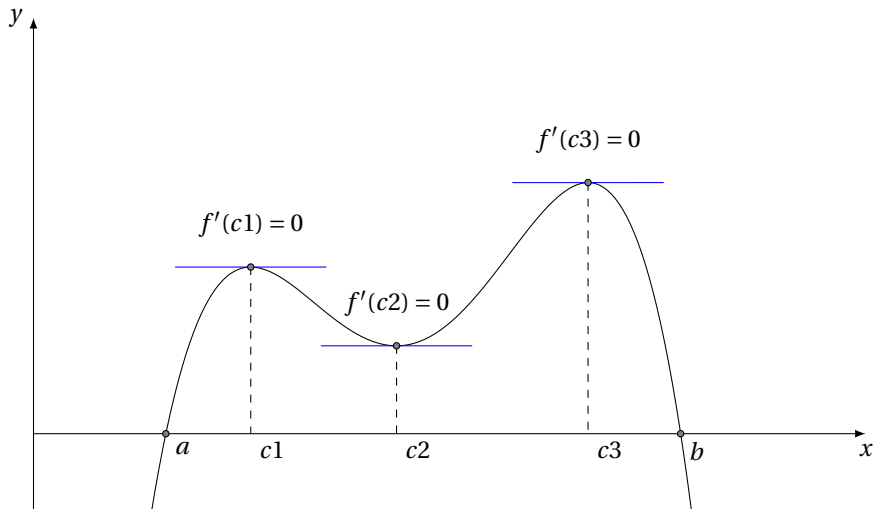


54 ./images-tikz/image-31.tex

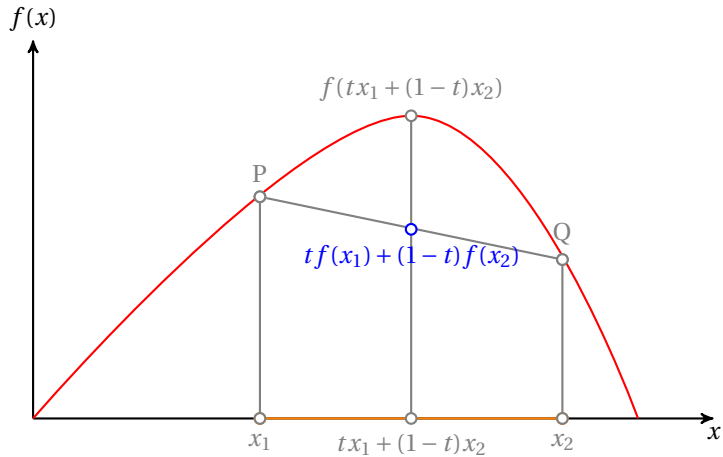
Trimmed bounding boxes



55 *`./images-tikz/derivate5.tex`*

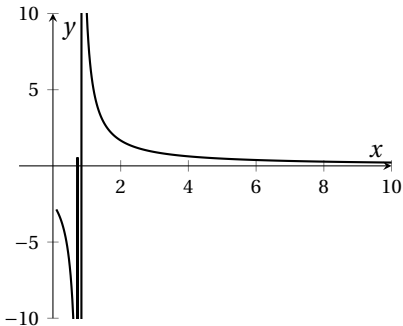


56 *`./images-tikz/concavidad-abj.tex`*



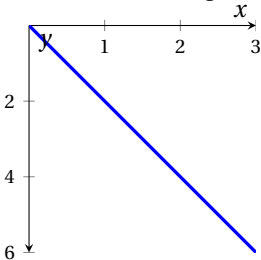
57 ./images-tikz/image-41.tex

Trimmed bounding boxes

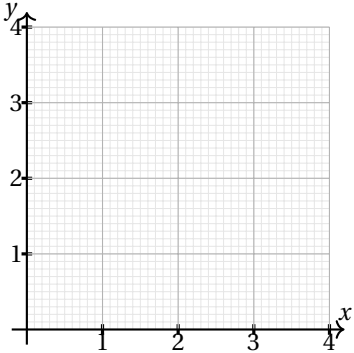


58 *./images-tikz/image-32.tex*

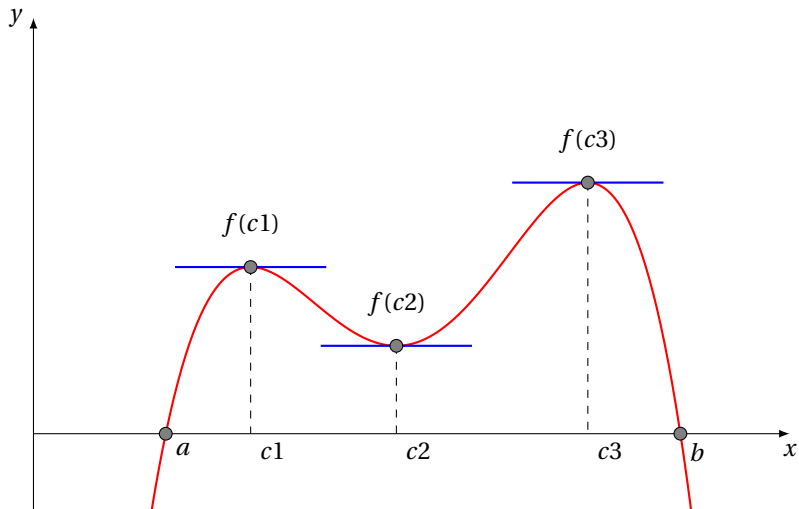
Trimmed bounding boxes



59 *./images-tikz/image-7.tex*

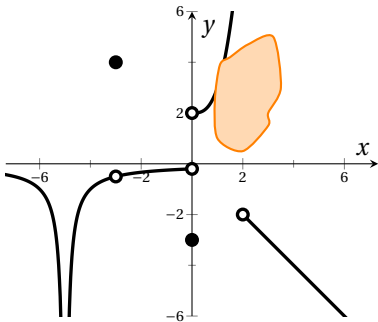


60 ***./images-tikz/image-47.tex***

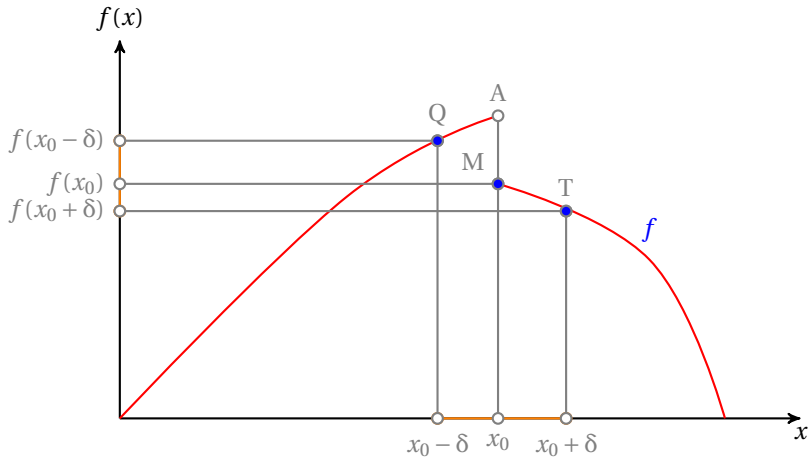


61 ./images-tikz/image-14.tex

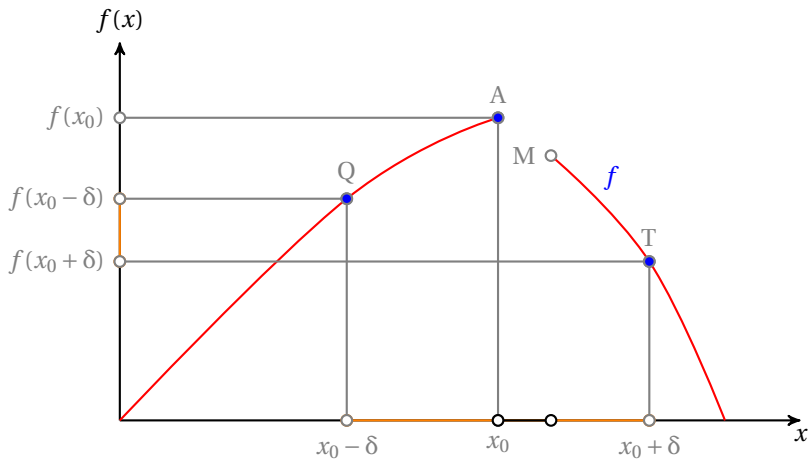
Trimmed bounding boxes



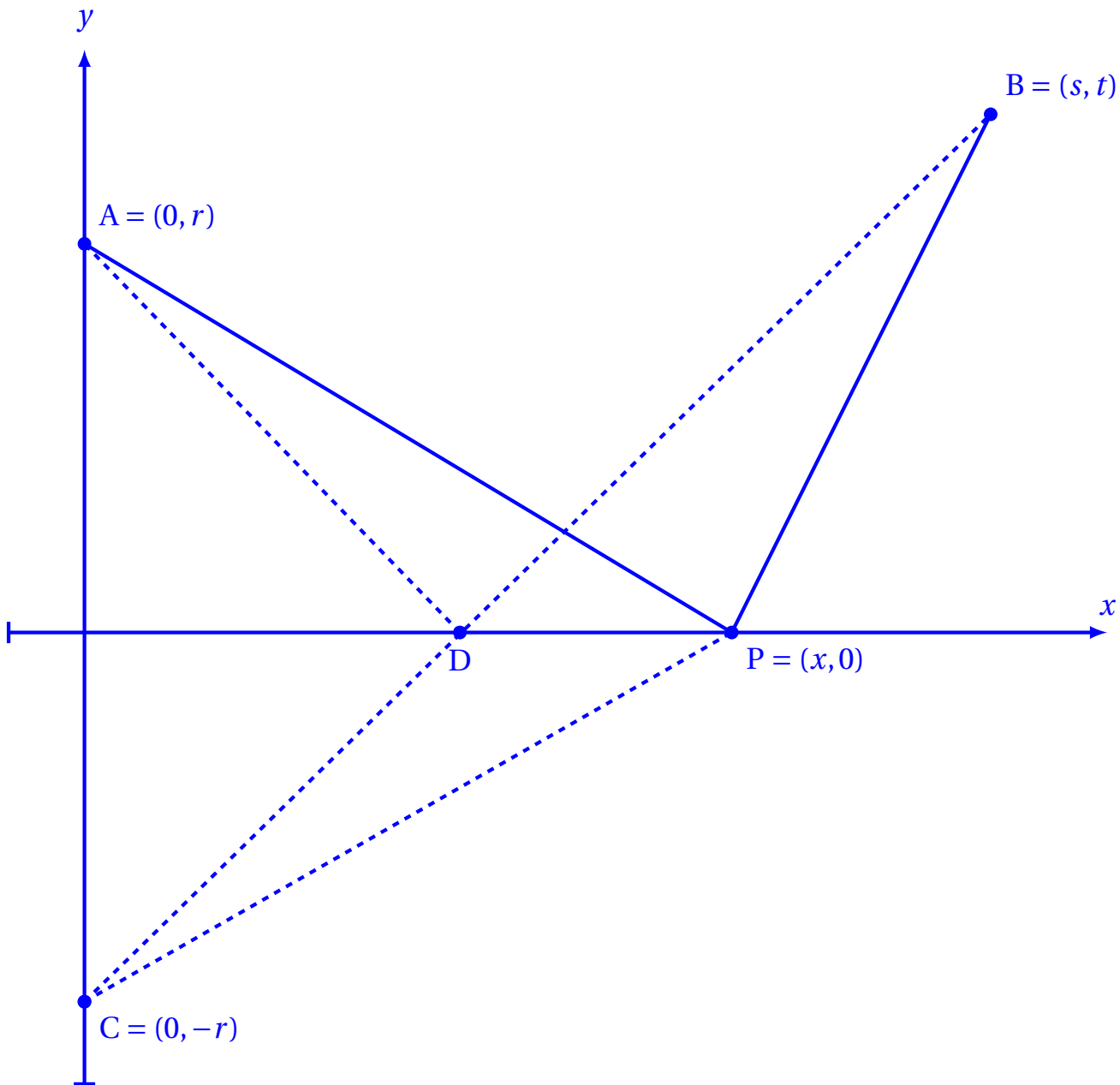
62 ./images-tikz/image-23.tex



63 *./images-tikz/image-22.tex*

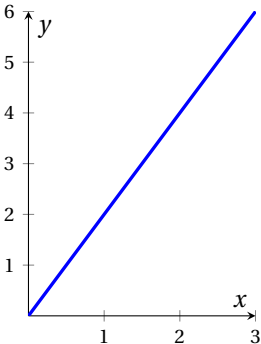


64 ./images-tikz/resuelto6-12.tex

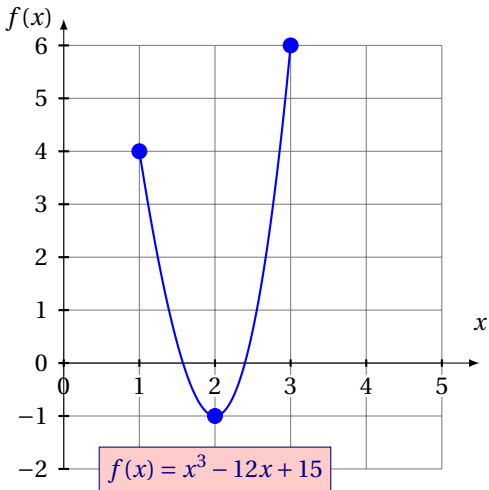


65 *./images-tikz/image-33.tex*

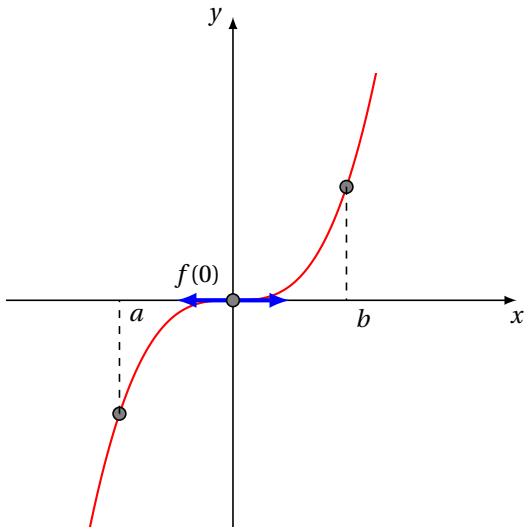
Height is deduced from height option



66 ./images-tikz/image-52.tex



67 ./images-tikz/image-49.tex



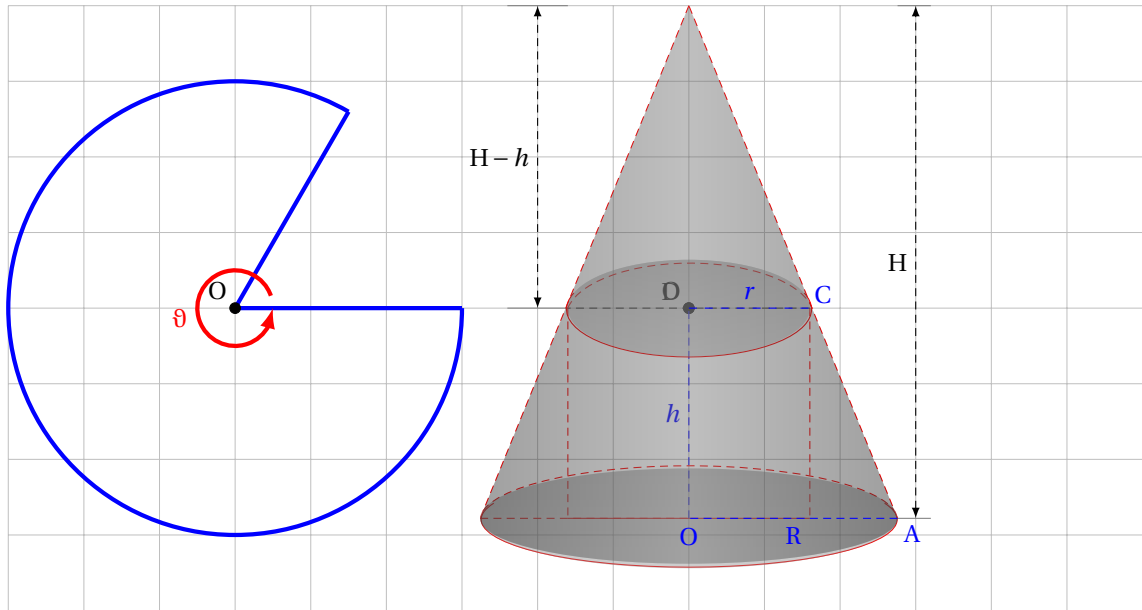
68 *./images-tikz/image-6.tex*

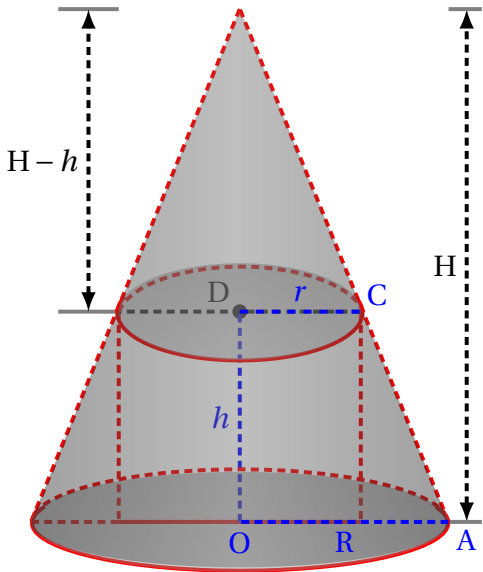
Example:

$$a = bx + c$$

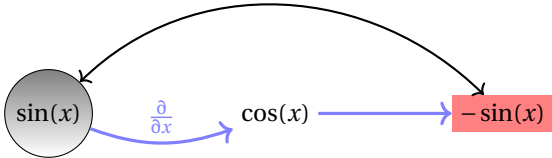
$$a + b = d + 1$$

69 *./images-tikz/resuelto6-13.tex*

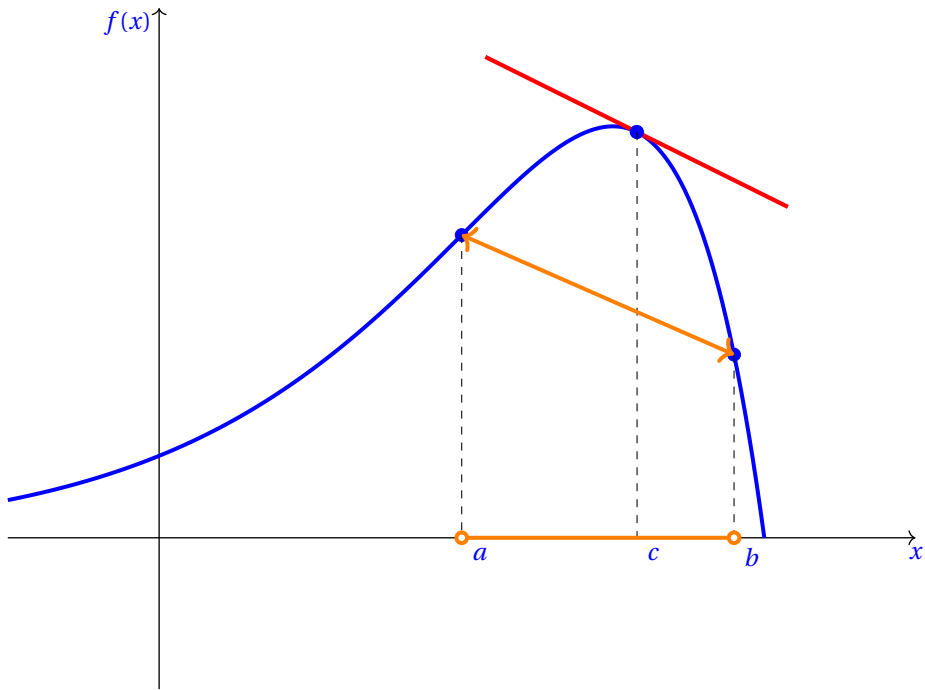




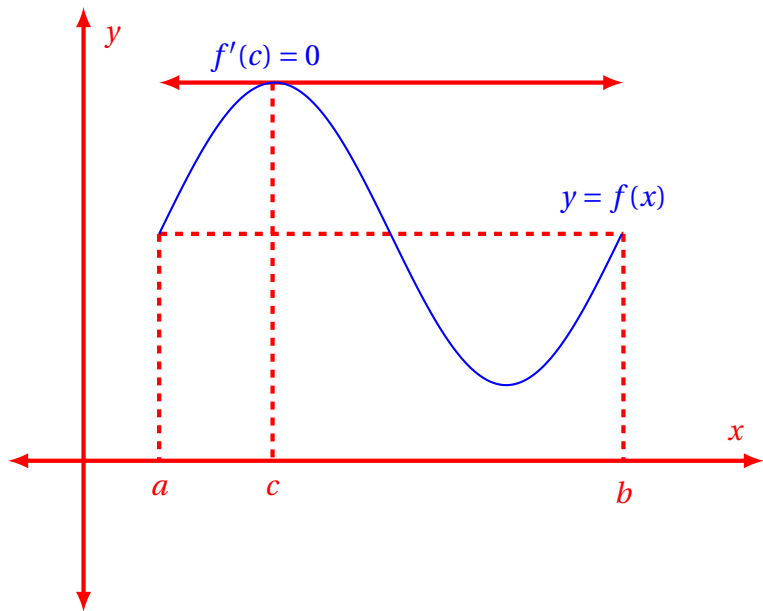
70 ./images-tikz/image-8.tex



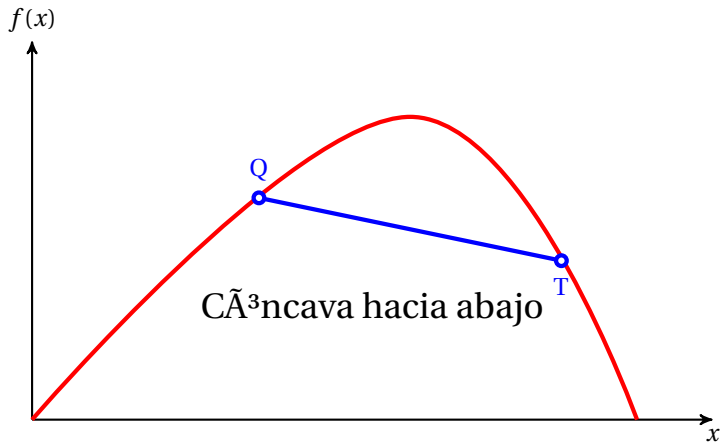
71 ./images-tikz/img-xx54.tex



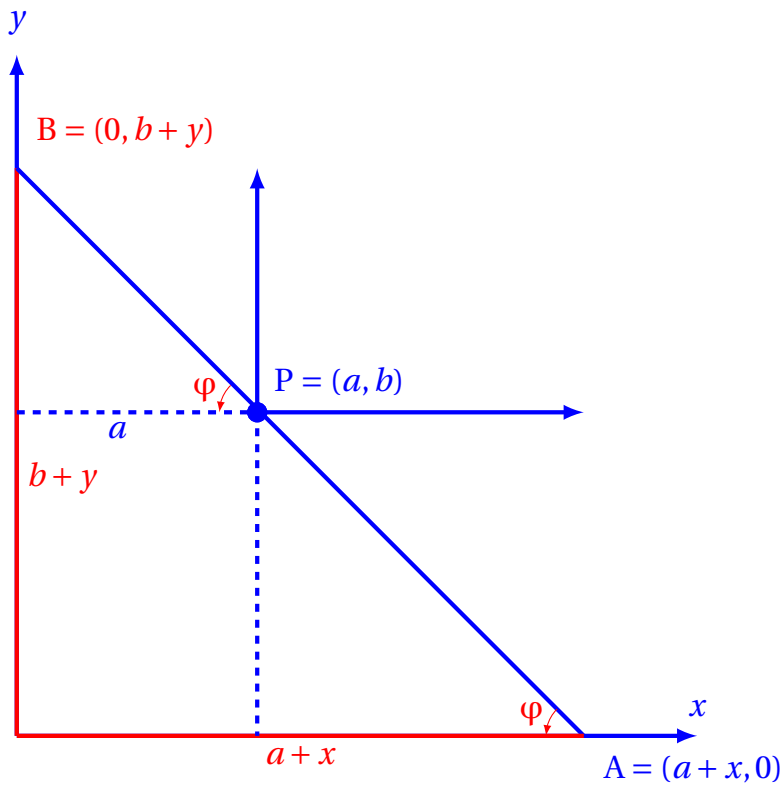
72 ./images-tikz/image-40.tex



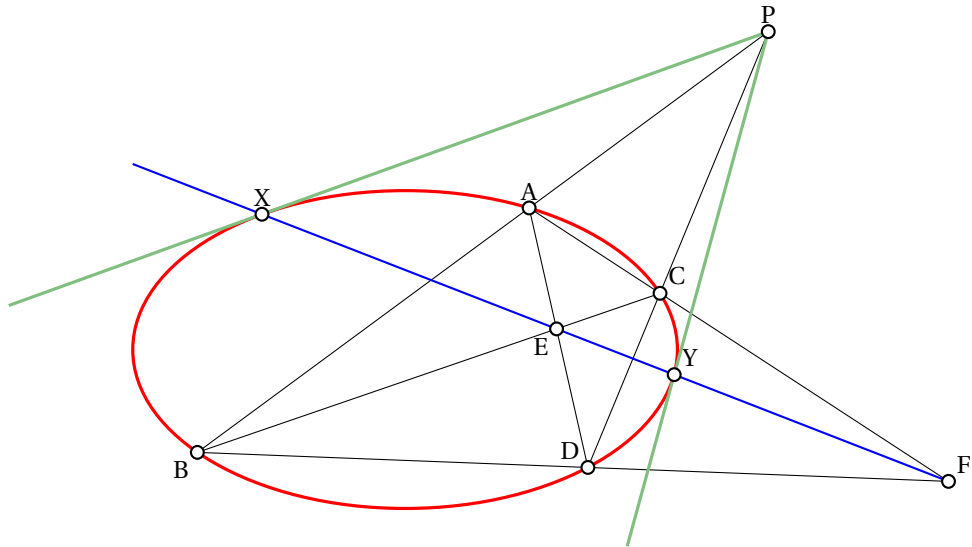
73 *`./images-tikz/concavidad-d.tex`*



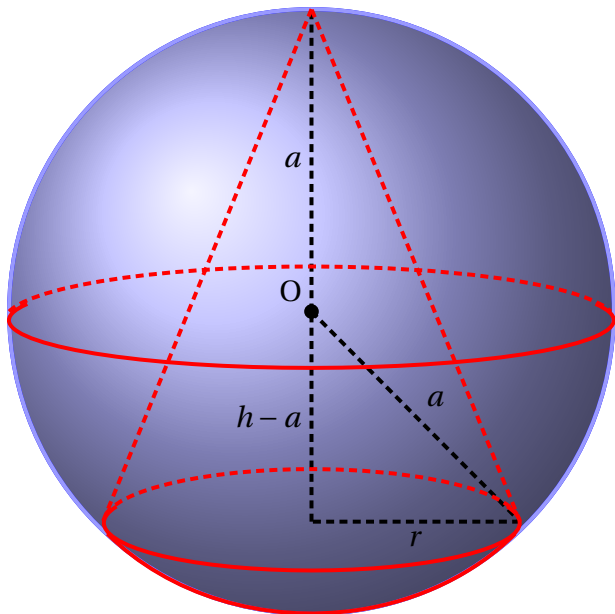
74 ./images-tikz/resuelto6-1.tex



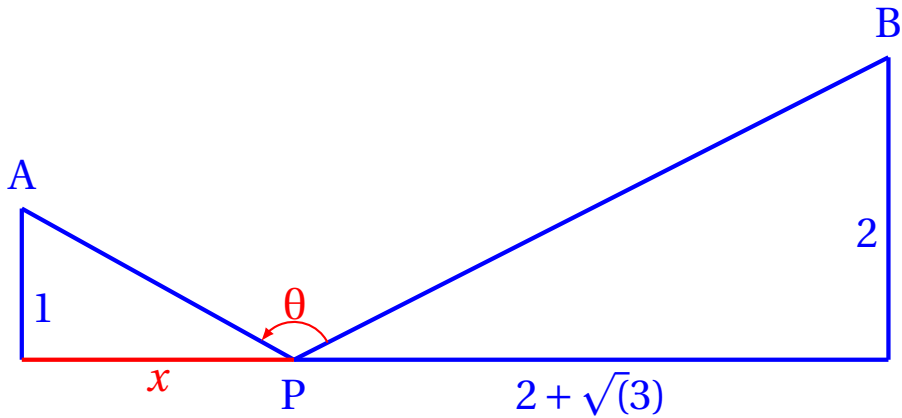
75 *`./images-tikz/polars-tangents-conic.tex`*



76 *./images-tikz/resuelto6-7.tex*

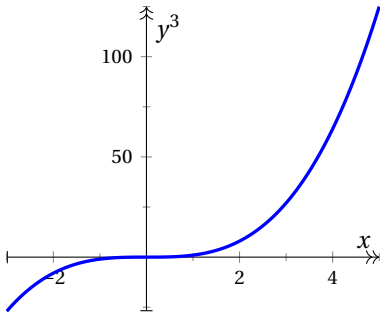


77 ./images-tikz/punto-p.tex

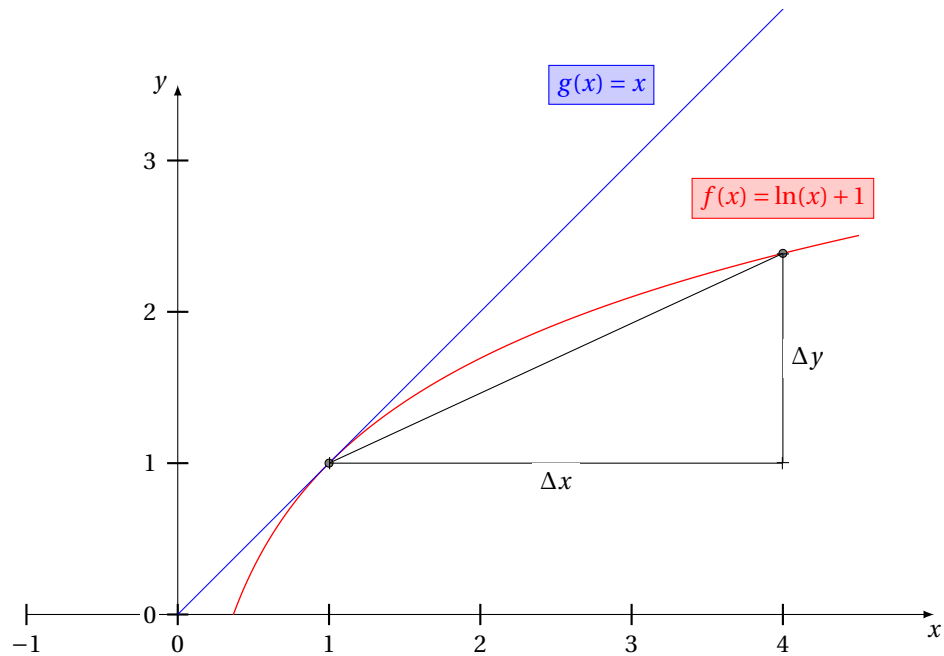


78 ./images-tikz/image-29.tex

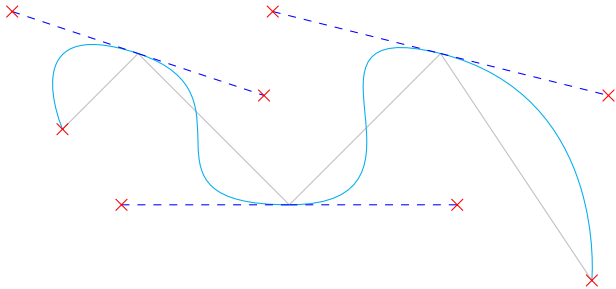
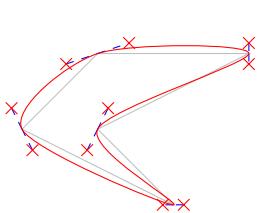
Trimmed bounding boxes



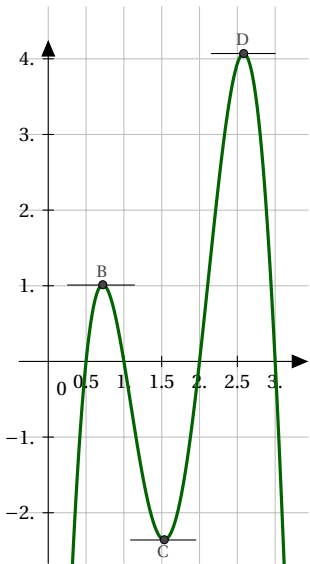
79 *./images-tikz/derivate1.tex*



80 ***./images-tikz/image-17.tex***

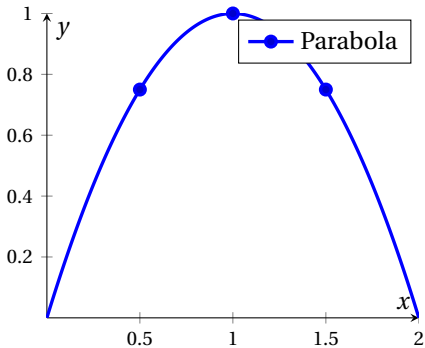


81 ./images-tikz/figad1.tex

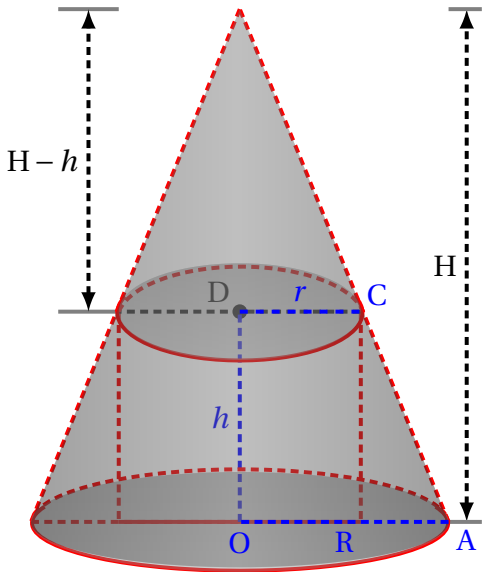


82 *./images-tikz/image-24.tex*

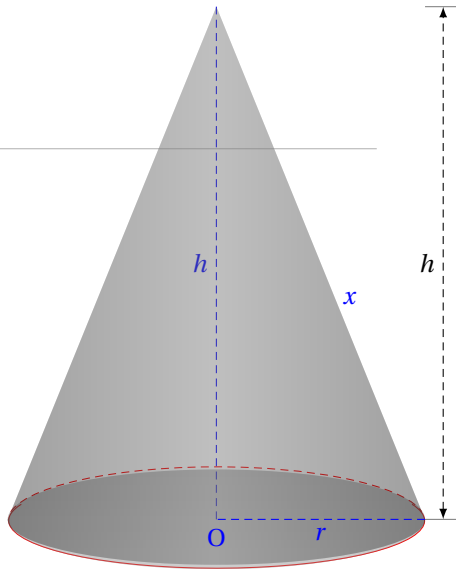
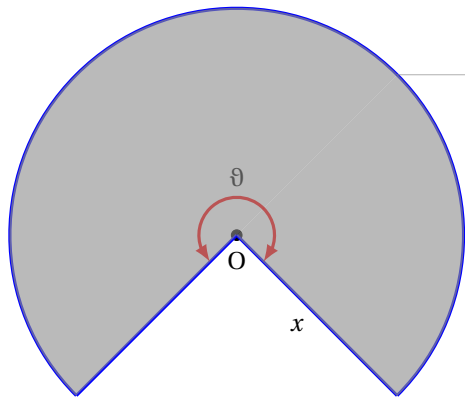
Trimmed bounding boxes



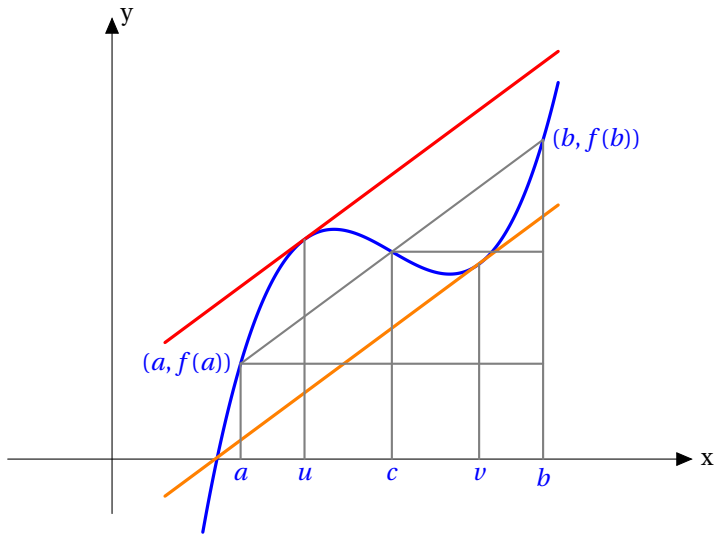
83 *./images-tikz/resuelto6-8.tex*



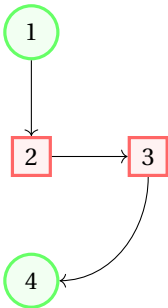
84 *./images-tikz/resuelto6-13a.tex*



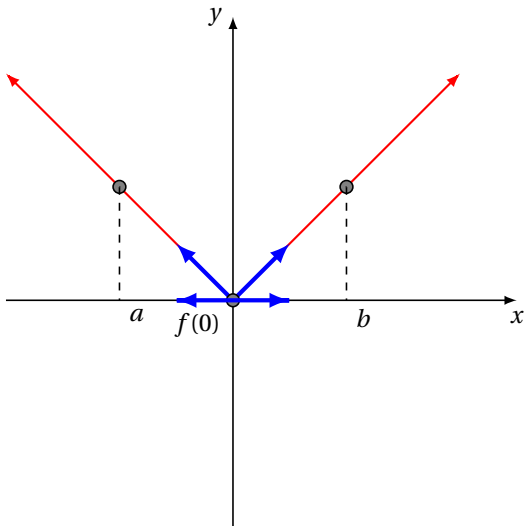
85 *./images-tikz/resuelto6-19.tex*



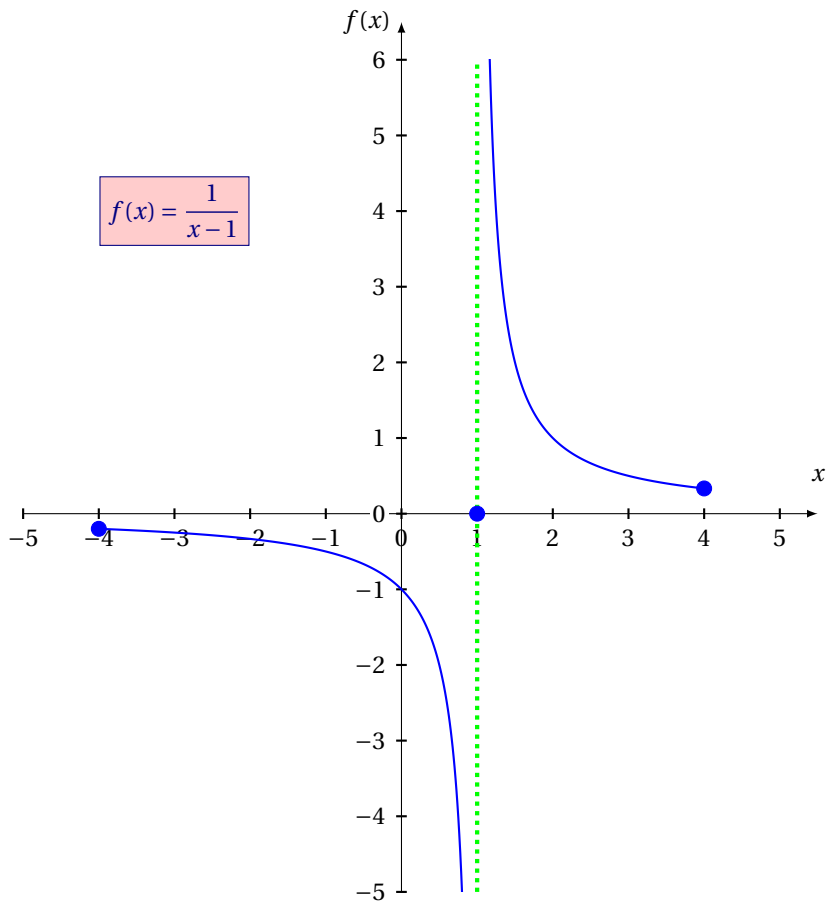
86 ./images-tikz/image-3.tex



87 ./images-tikz/image-48.tex

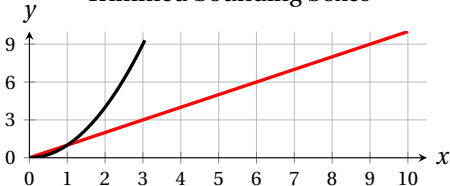


88 *./images-tikz/image-51.tex*

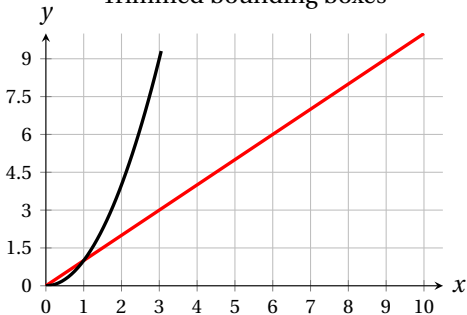


89 ***./images-tikz/tikznew3.pgf***

Trimmed bounding boxes

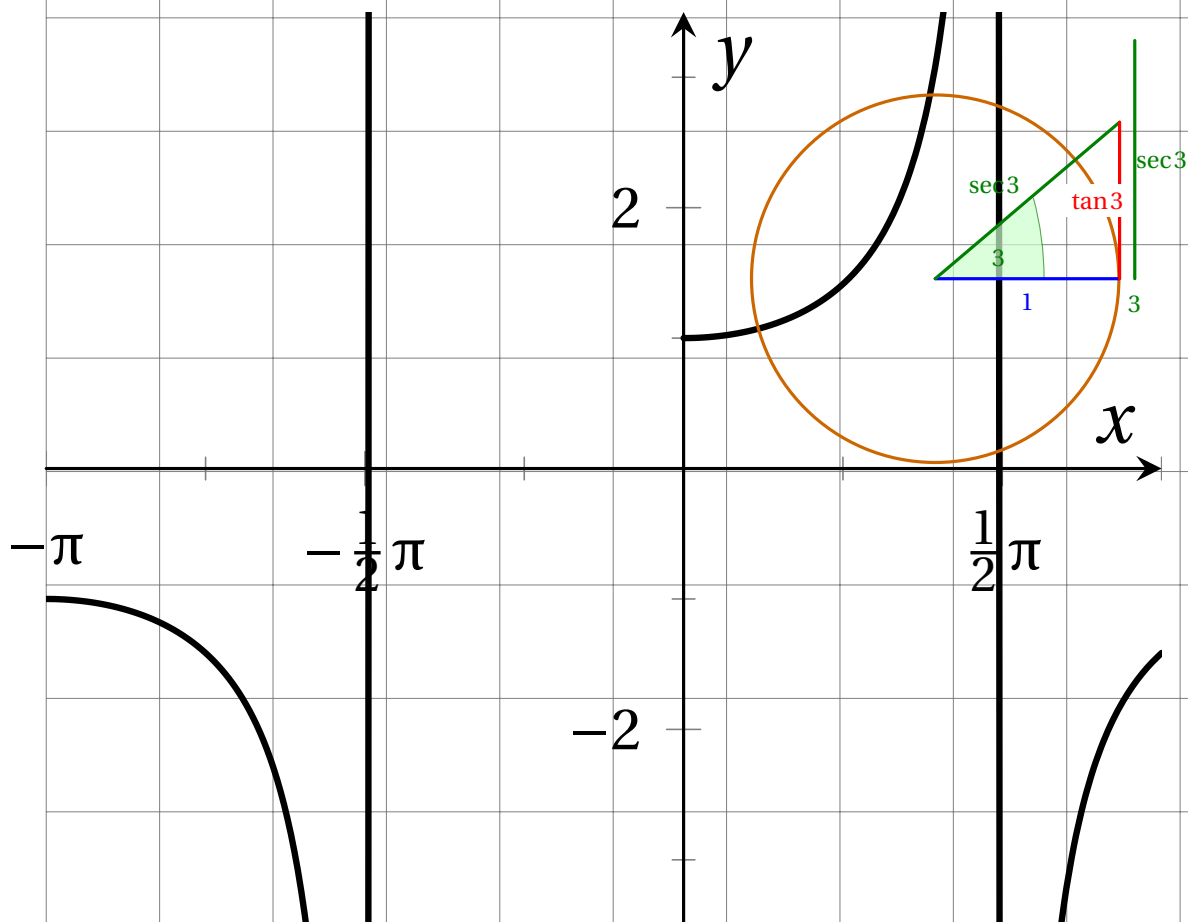


Trimmed bounding boxes

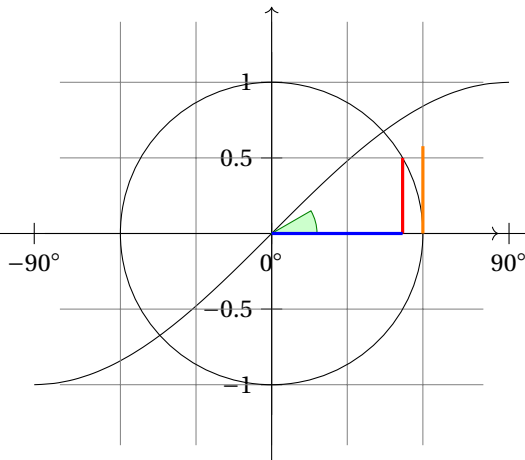
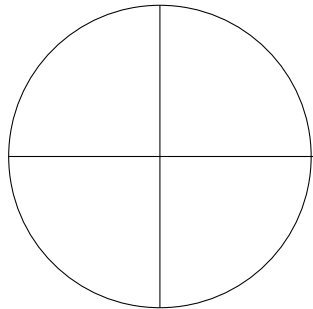


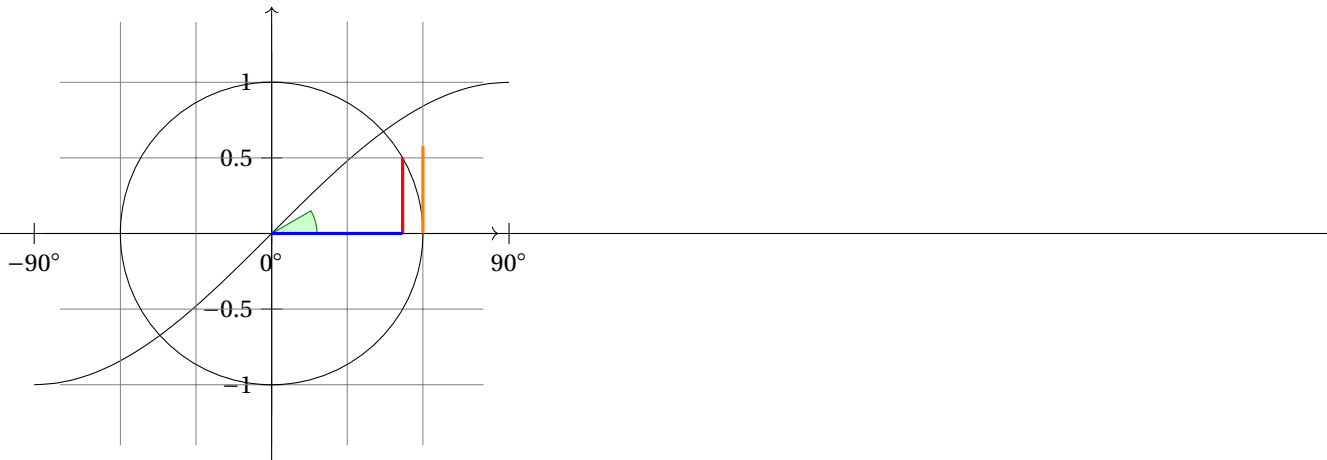
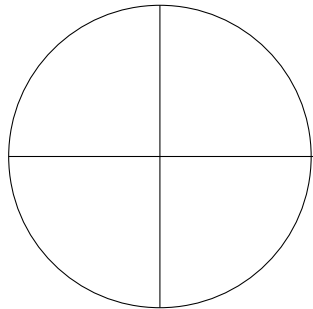
90 ***./images-tikz/trig3b.pgf***

Trimmed bounding boxes

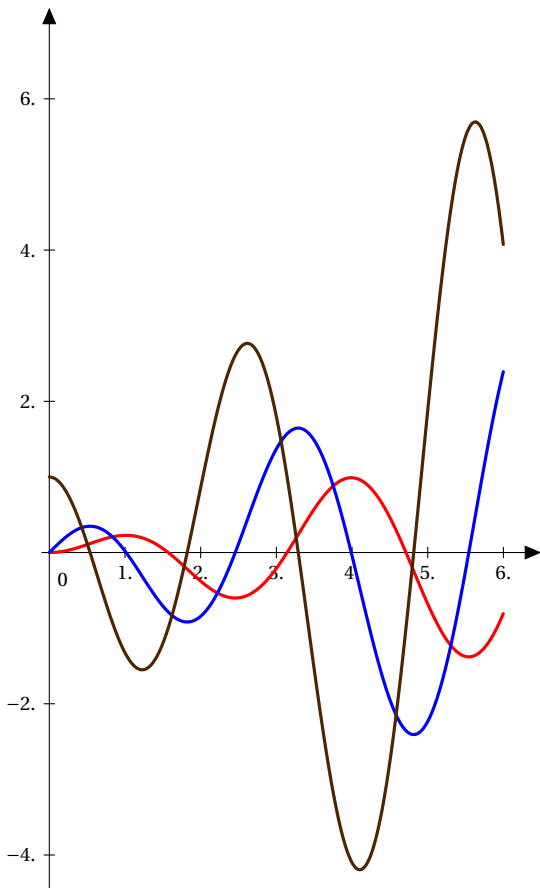


91 *./images-tikz/sin-arsin.pgf*

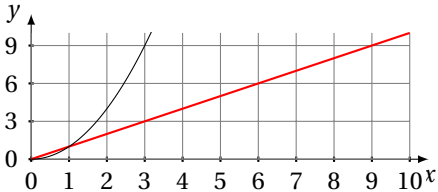


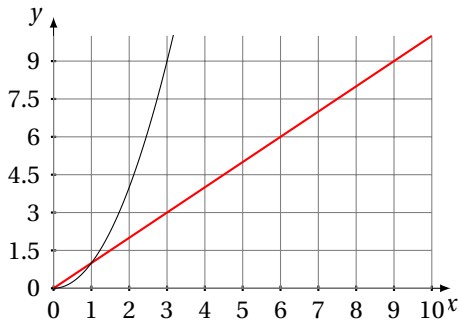


92 ./images-tikz/derivadas2.pgf

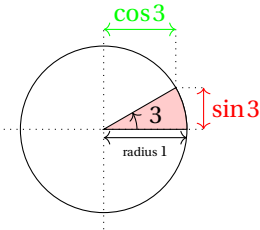


93 ./images-tikz/tikznew5.pgf

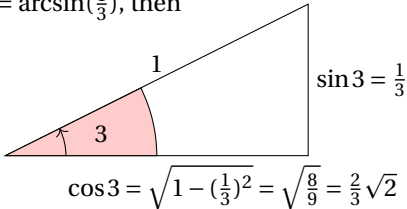




94 ./images-tikz/tikznew.pgf

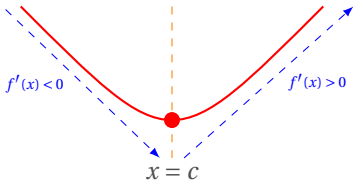


Let $3 = \arcsin(\frac{1}{3})$, then



95 *`./images-tikz/extremos.pgf`*

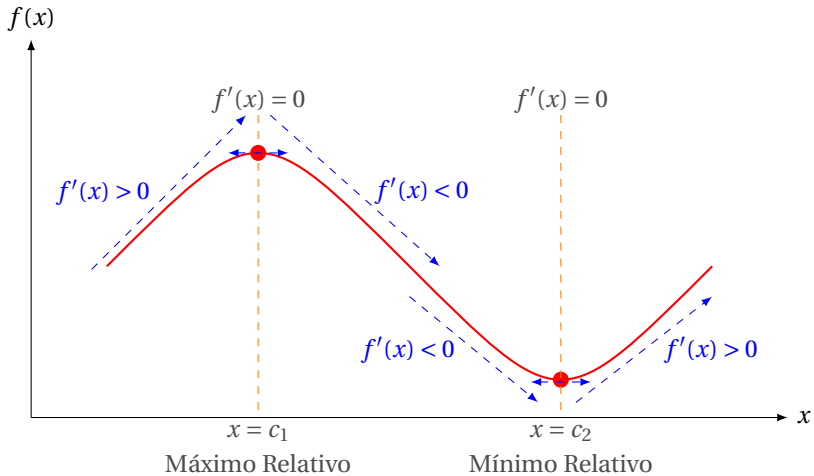
$f(x)$



$x = c$

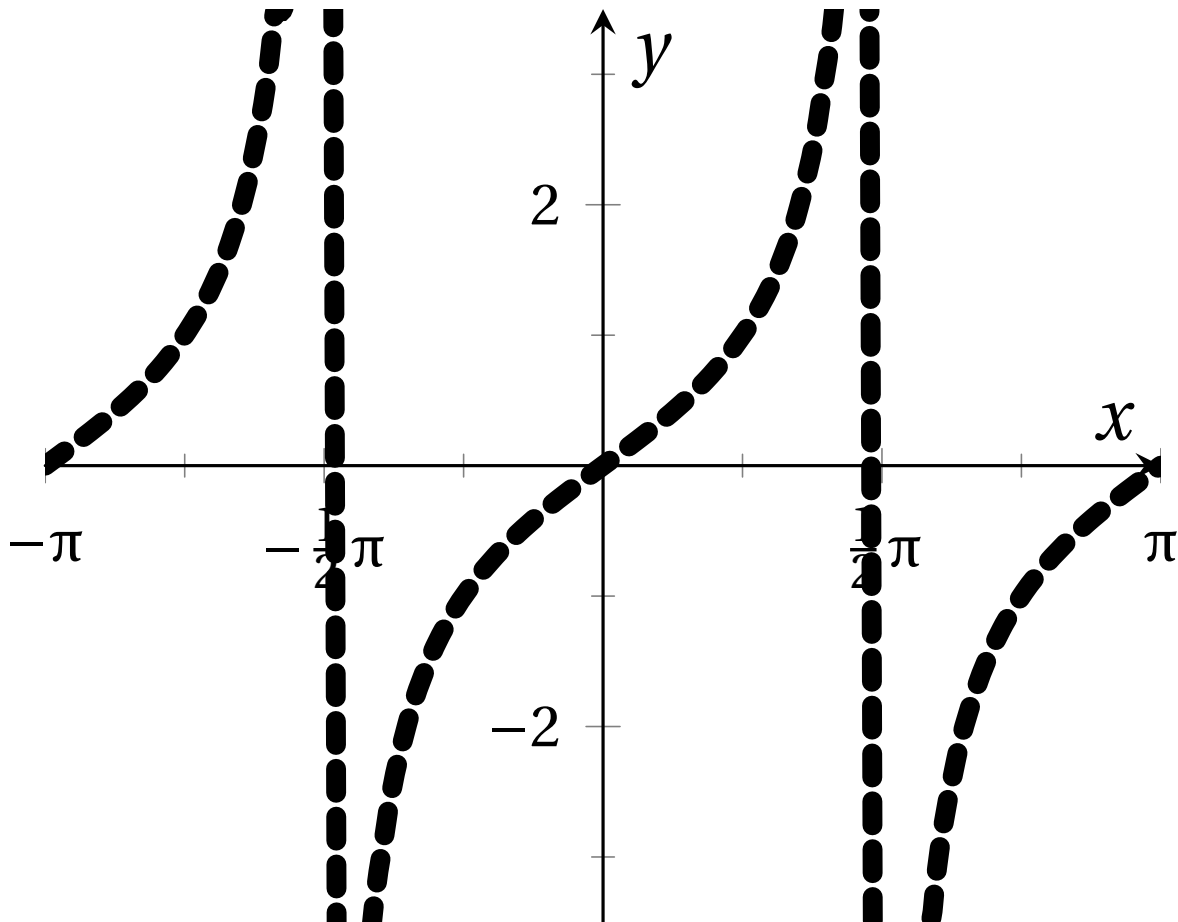
x

96 ./images-tikz/extremos-b.pgf

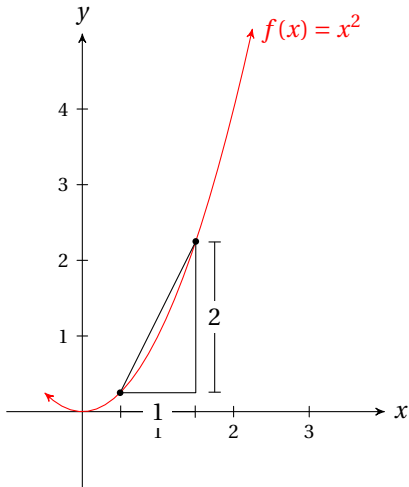


97 ***./images-tikz/trig3.pgf***

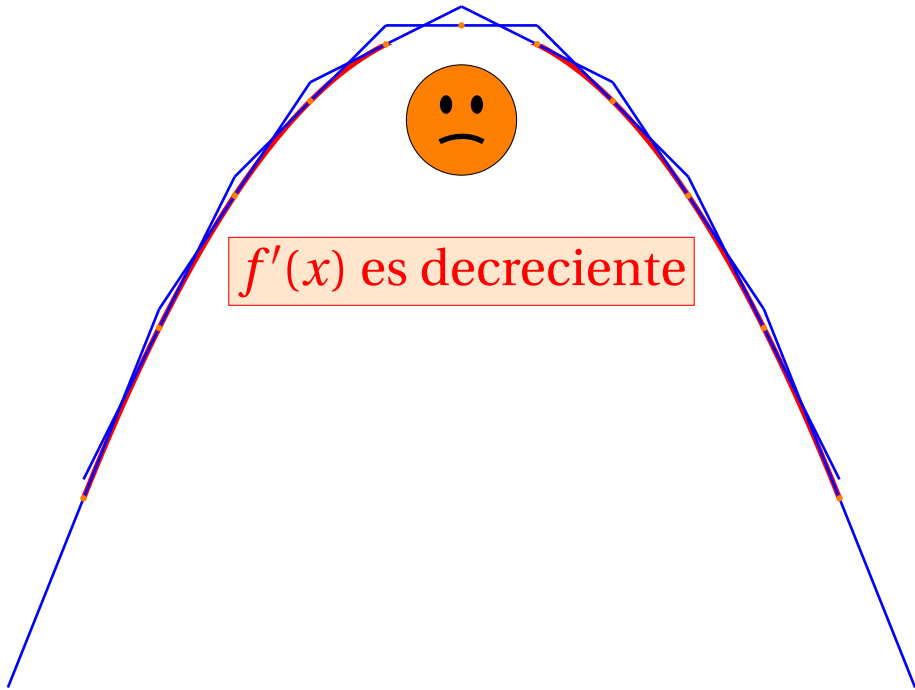
Trimmed bounding boxes



98 ***./images-tikz/image₃6.pg f***

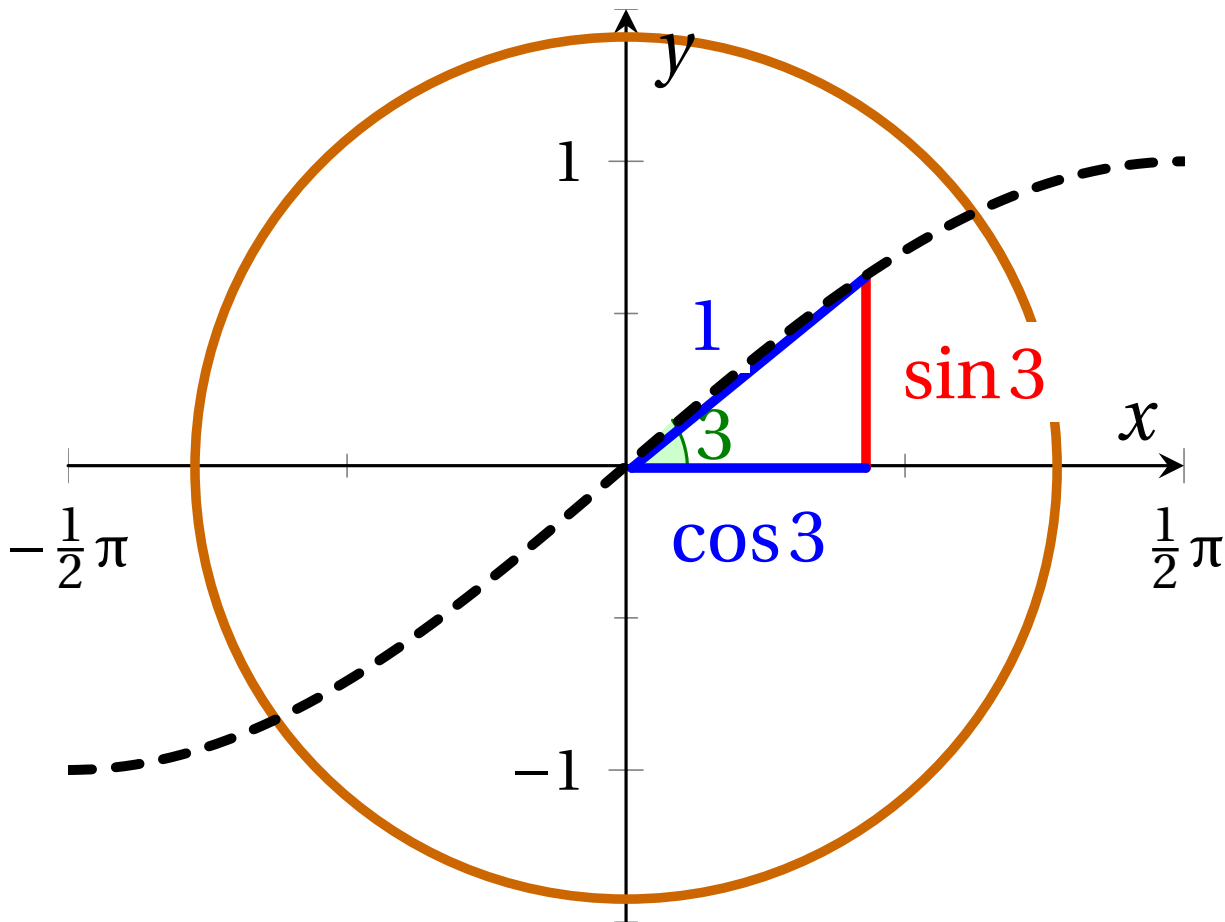


99 *`./images-tikz/concavidad-b.pgf`*



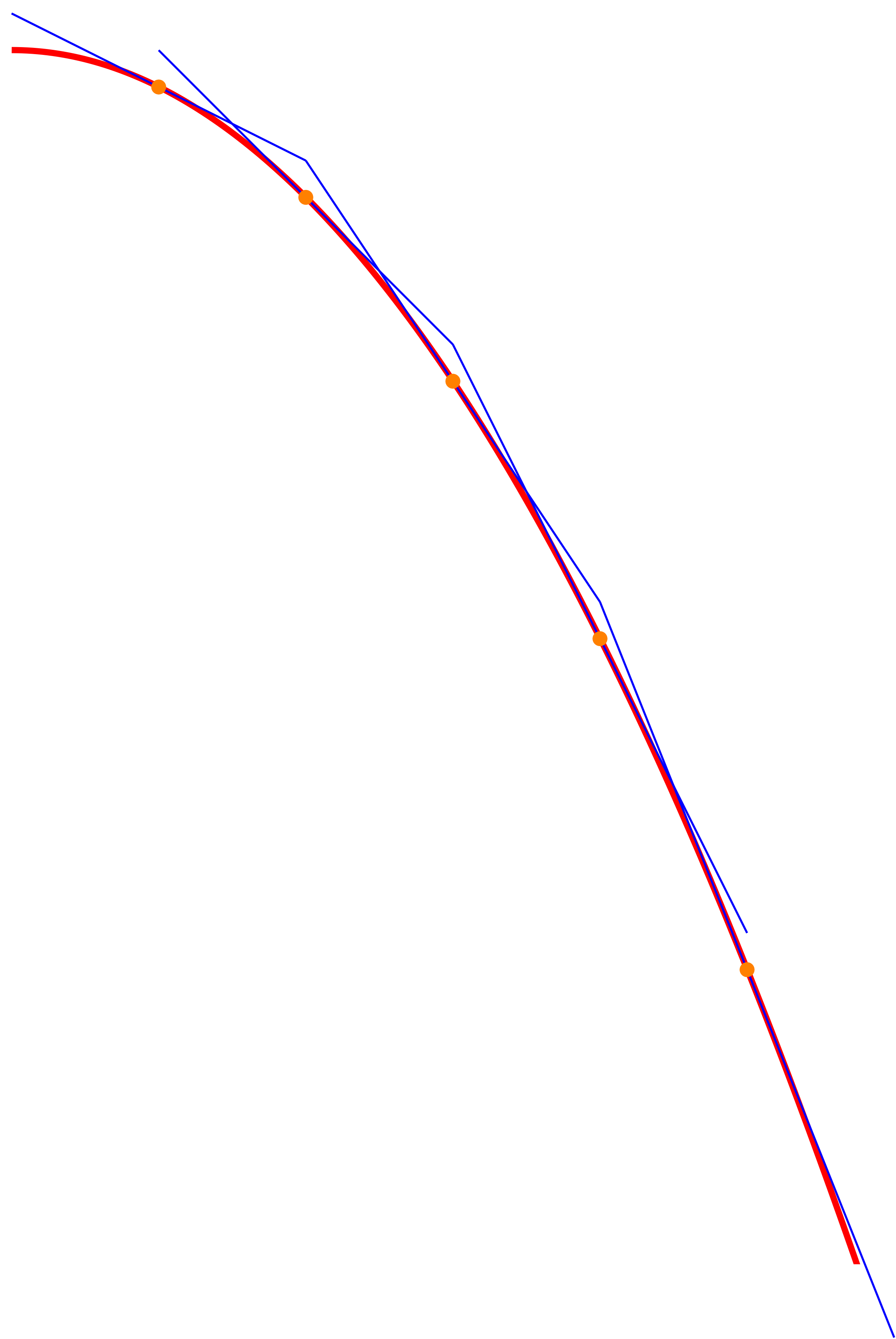
100 ***./images-tikz/trig.pgf***

Trimmed bounding boxes

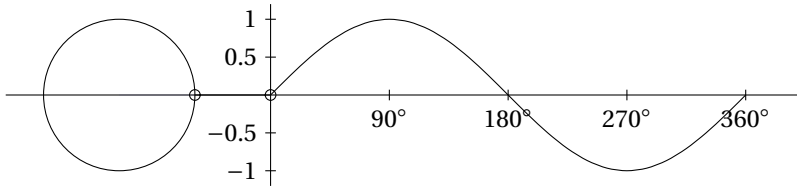


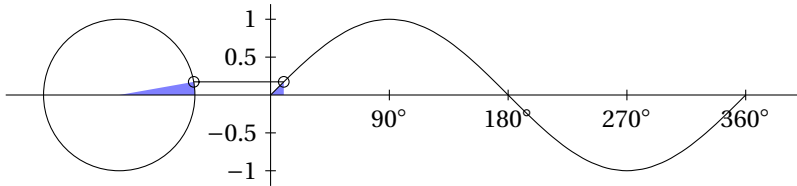
101 ./images-tikz/creciente-b.pgf

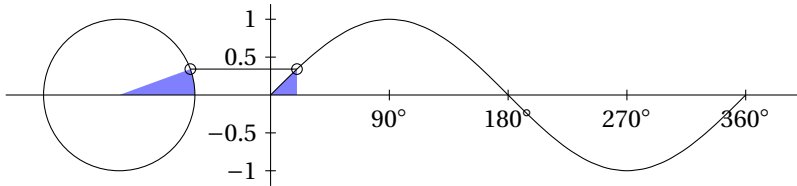
$$f'(x) \leq 0$$

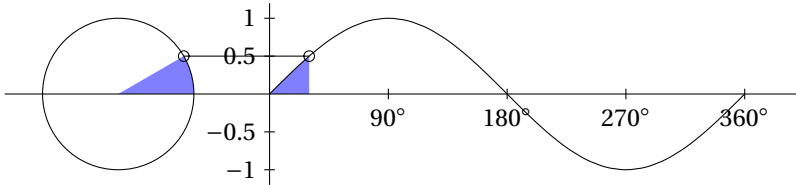


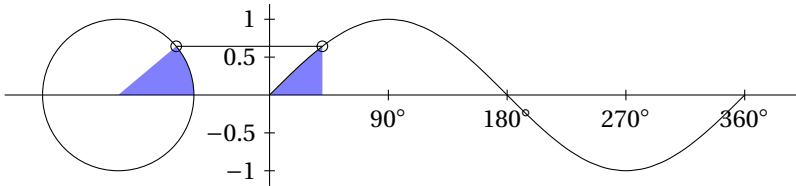
102 ***./images-tikz/sin.pgf***

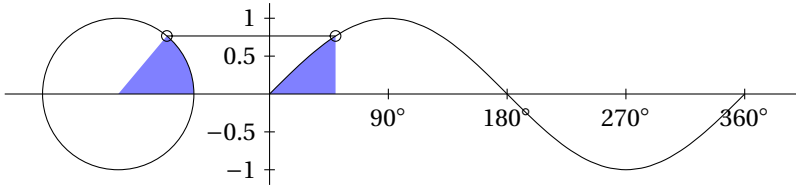


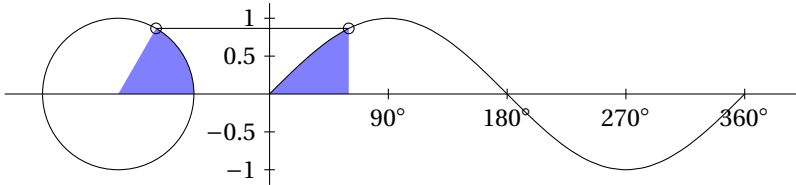


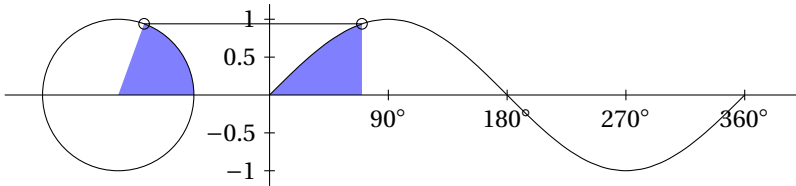


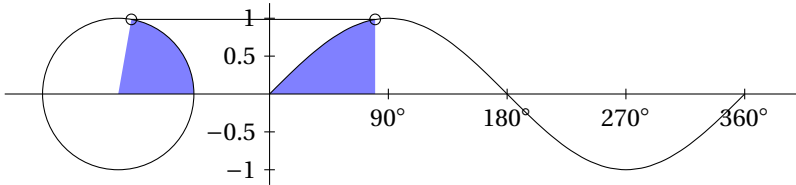


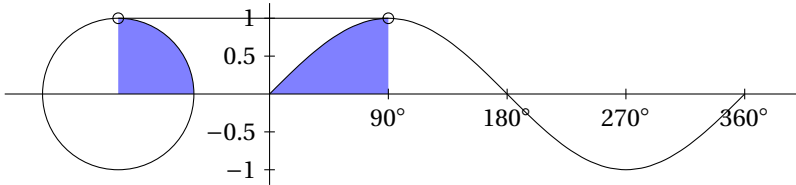


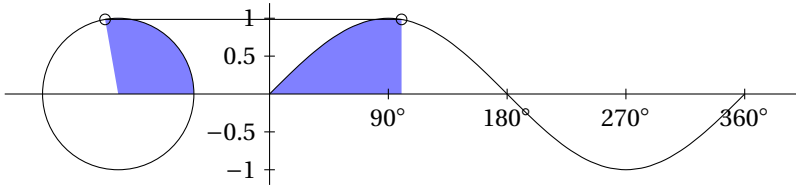


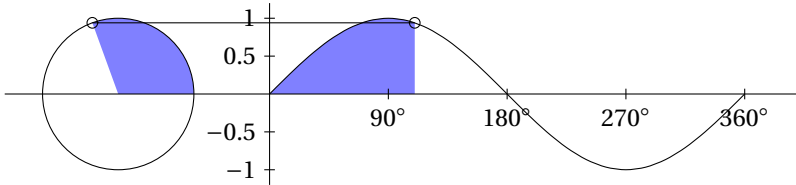


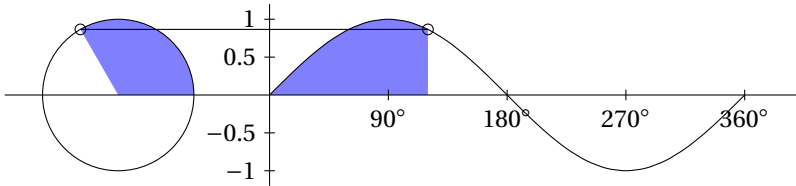


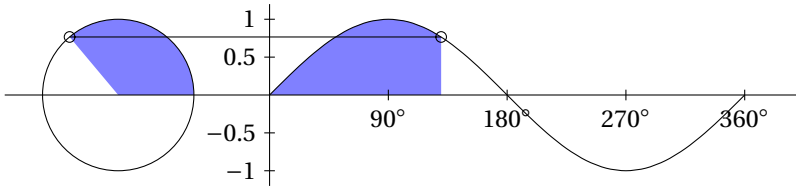


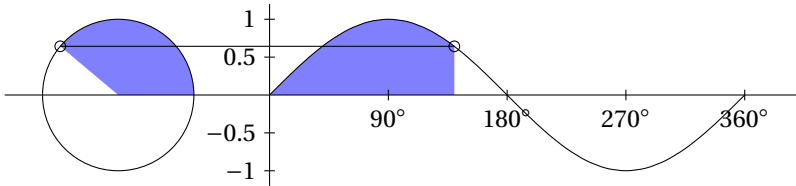


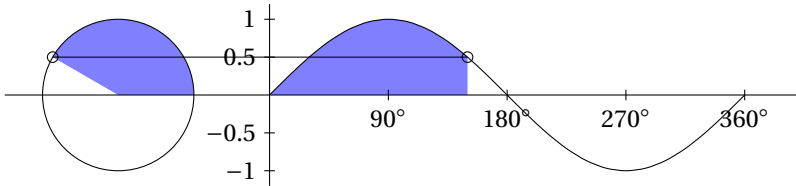


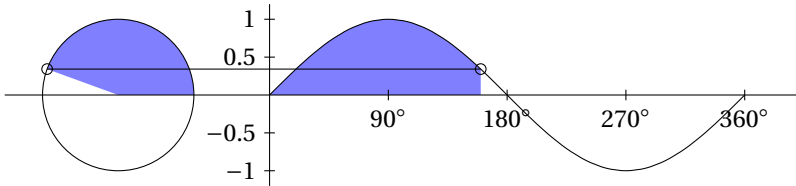


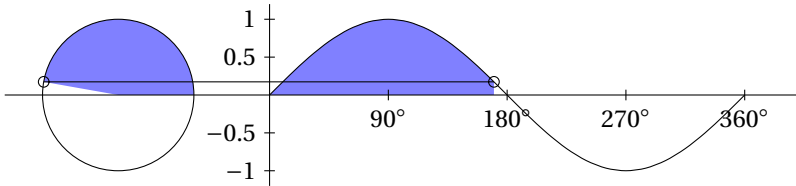


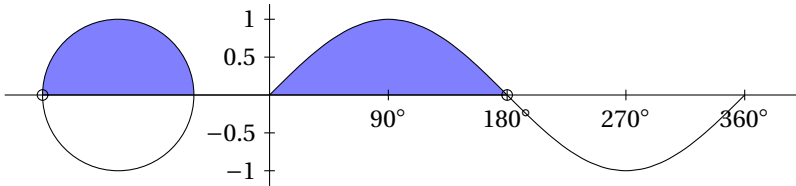


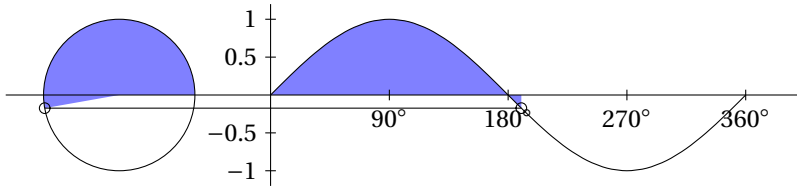


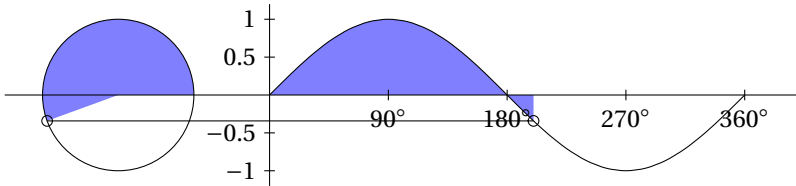


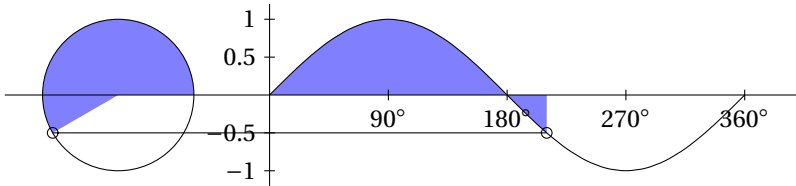


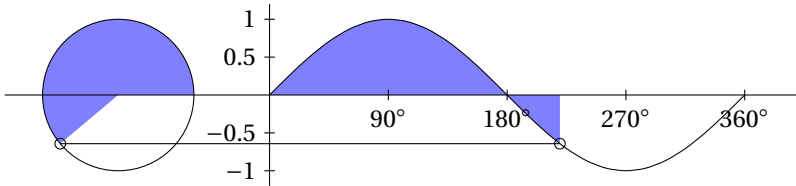


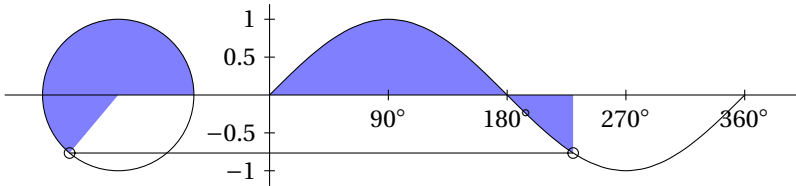


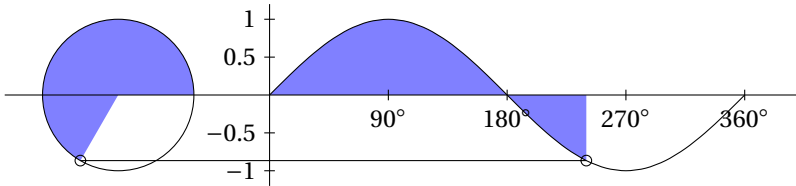


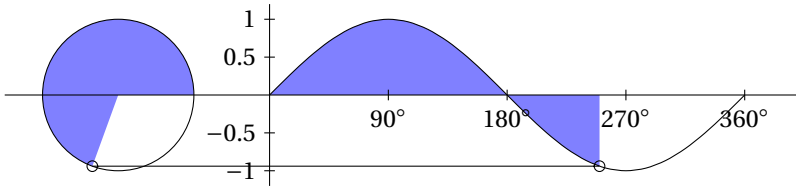


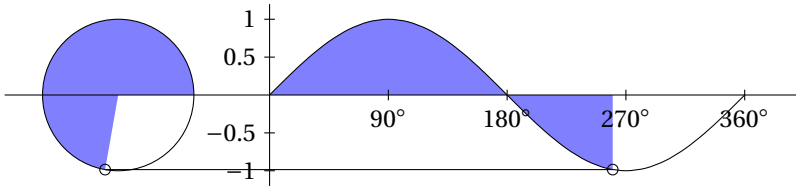


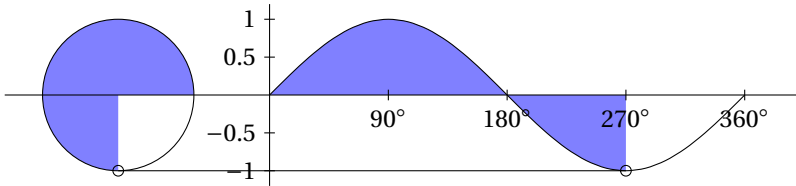


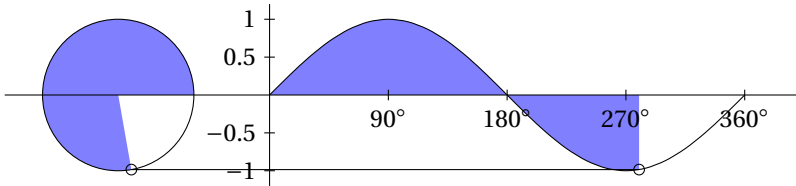


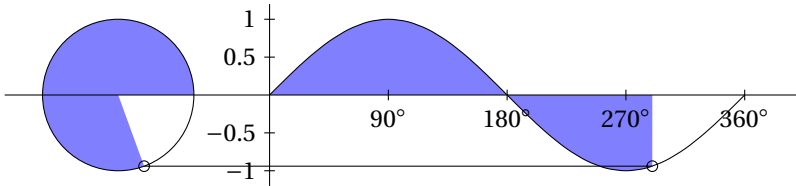


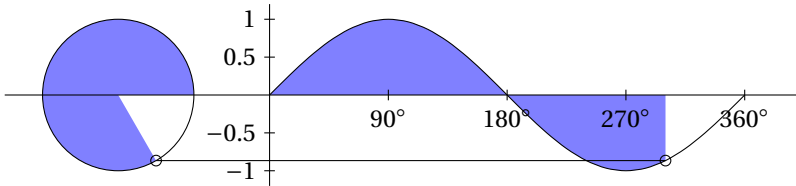


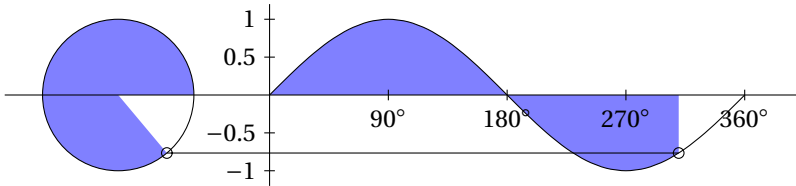


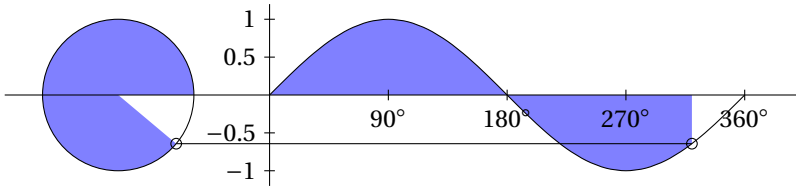


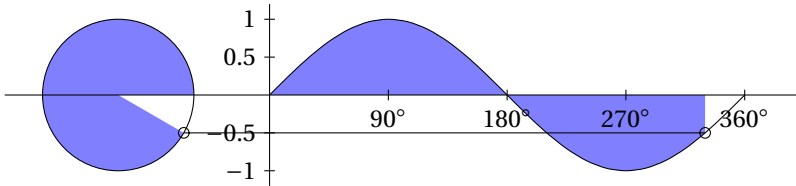


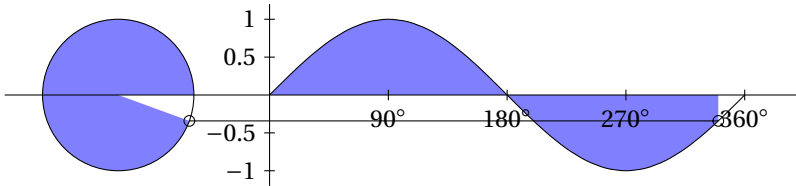


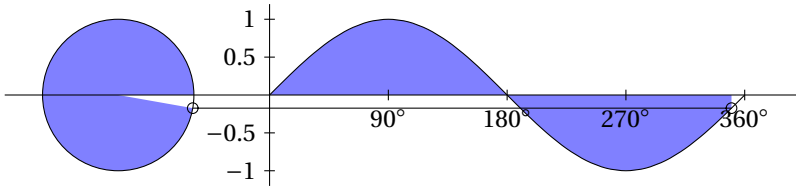


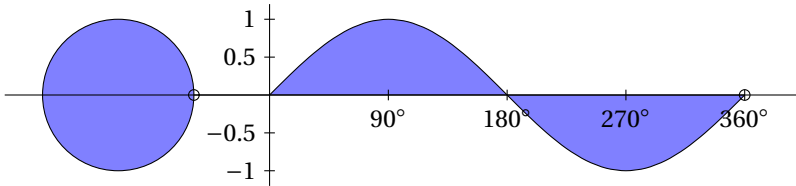




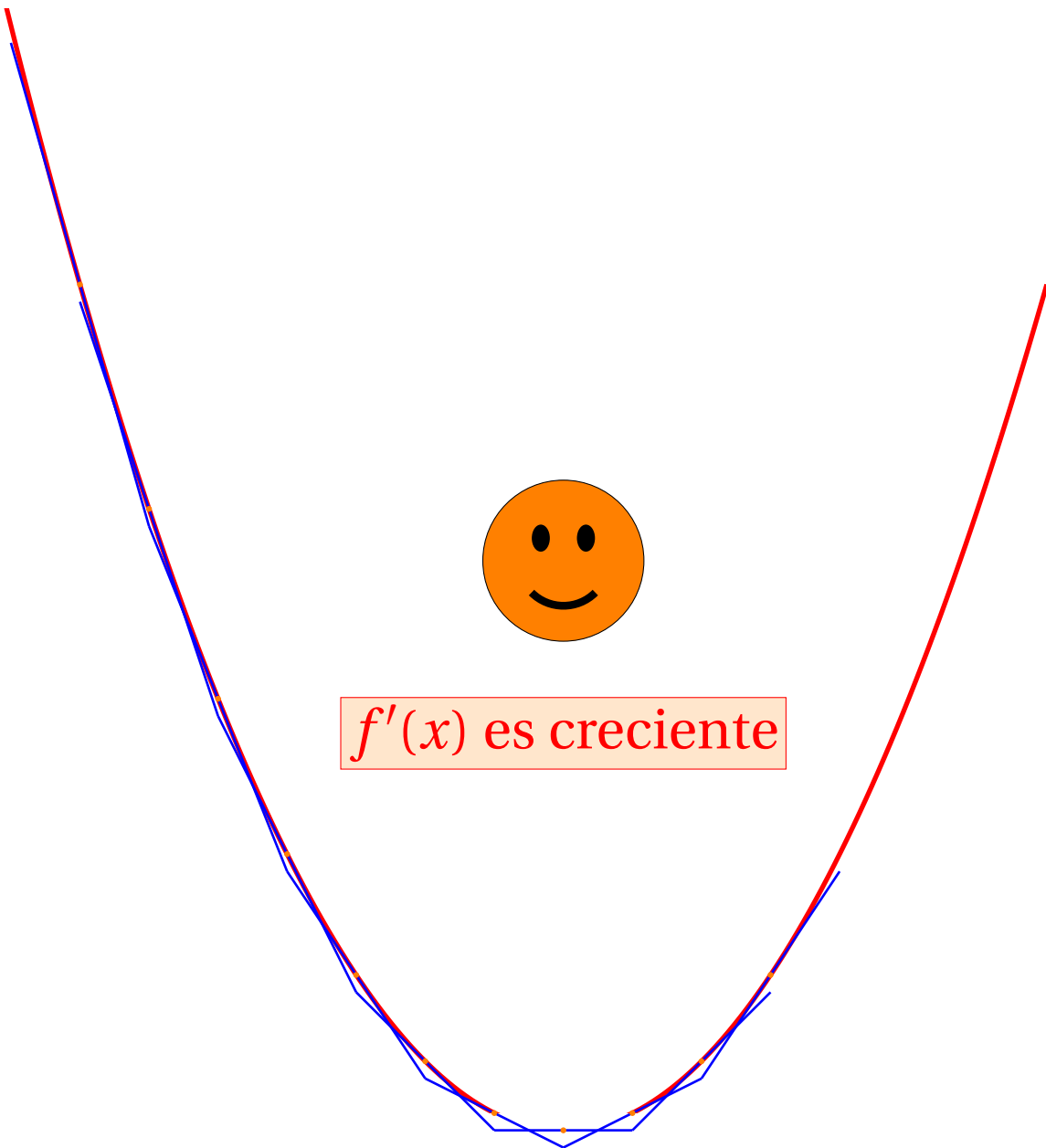






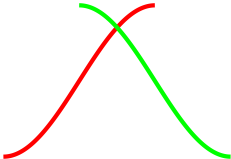


103 *`./images-tikz/concavidad-a.pgf`*

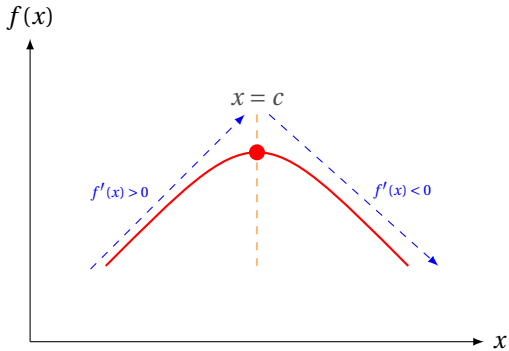


$f'(x)$ es creciente

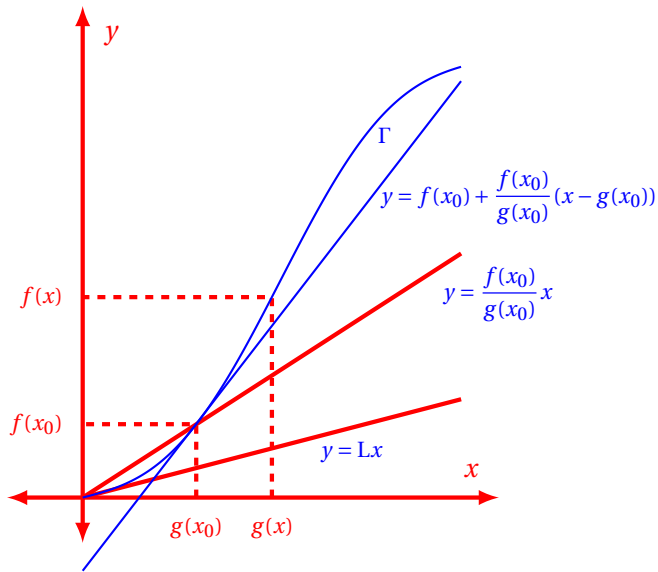
104 ./images-tikz/tikznew2.pgf



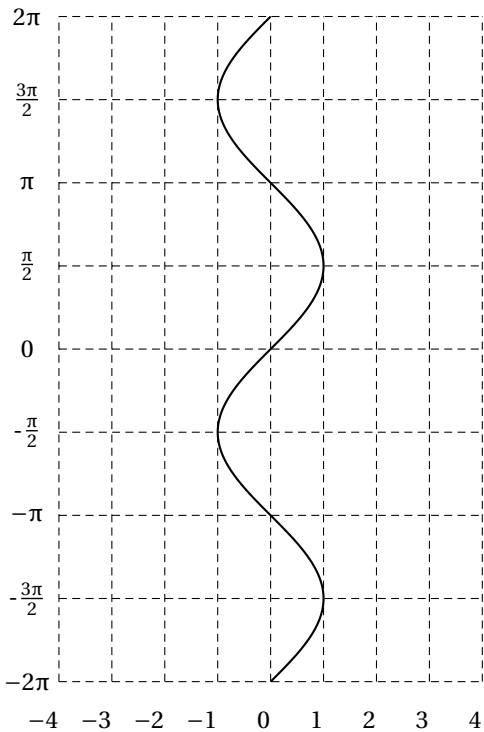
105 ***./images-tikz/extremos-a.pgf***



106 ./images-tikz/lhopital.pgf

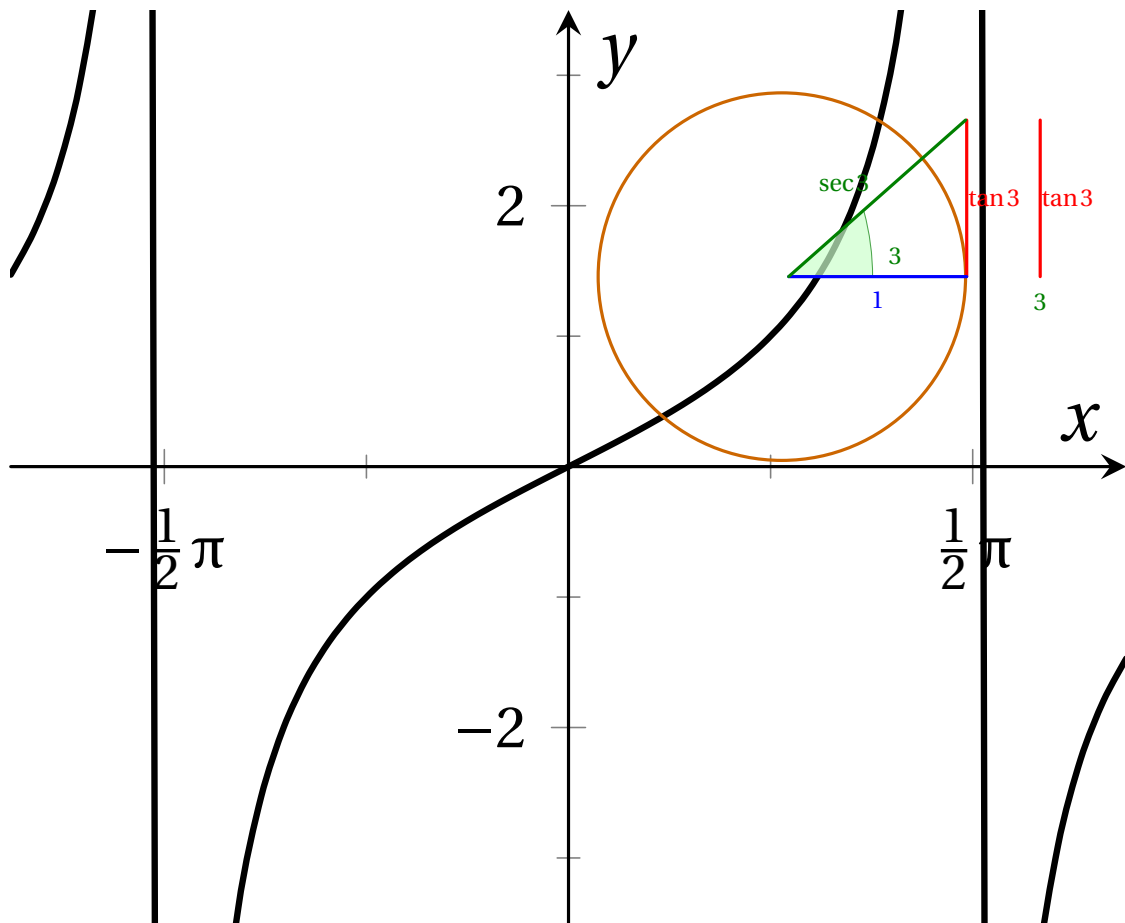


107 ./images-tikz/tikznew4.pgf



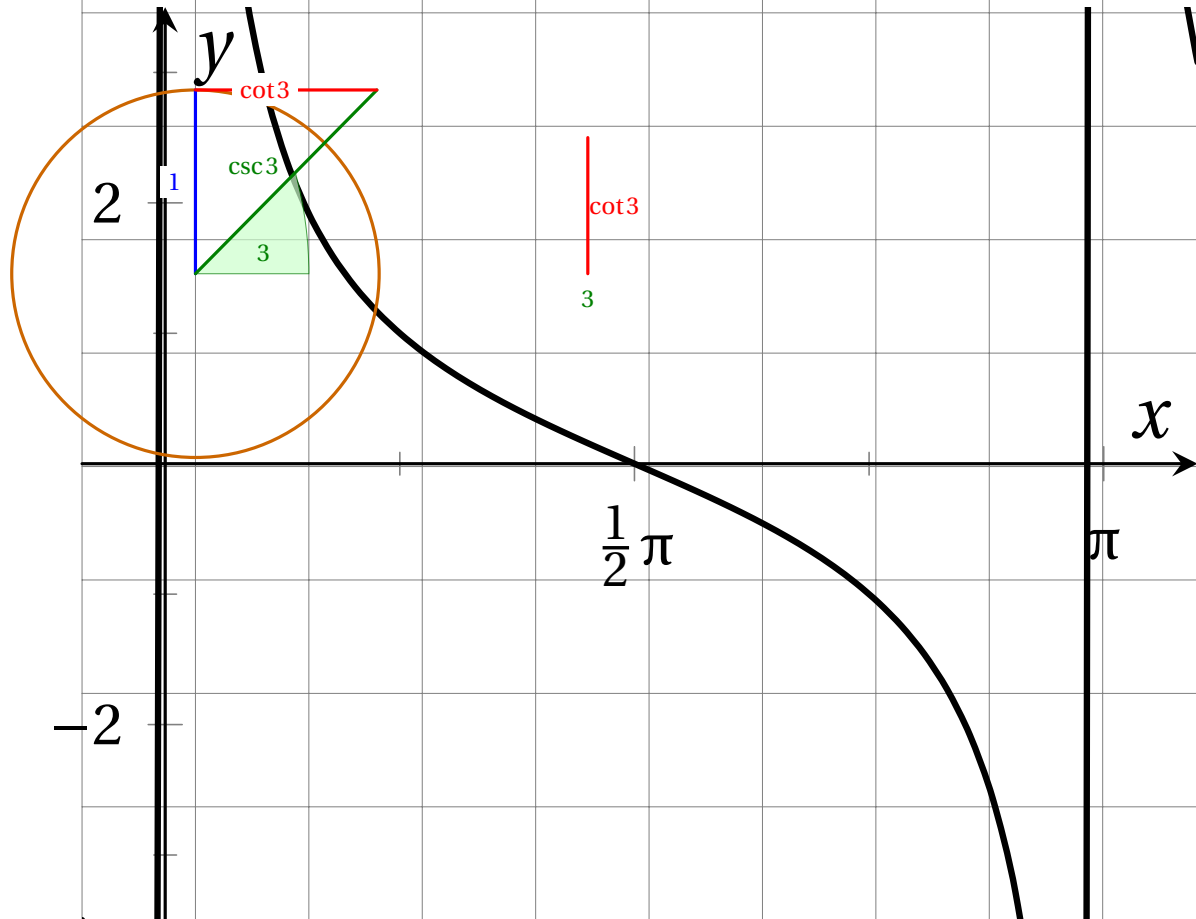
108 ***./images-tikz/trig3a.pgf***

Trimmed bounding boxes

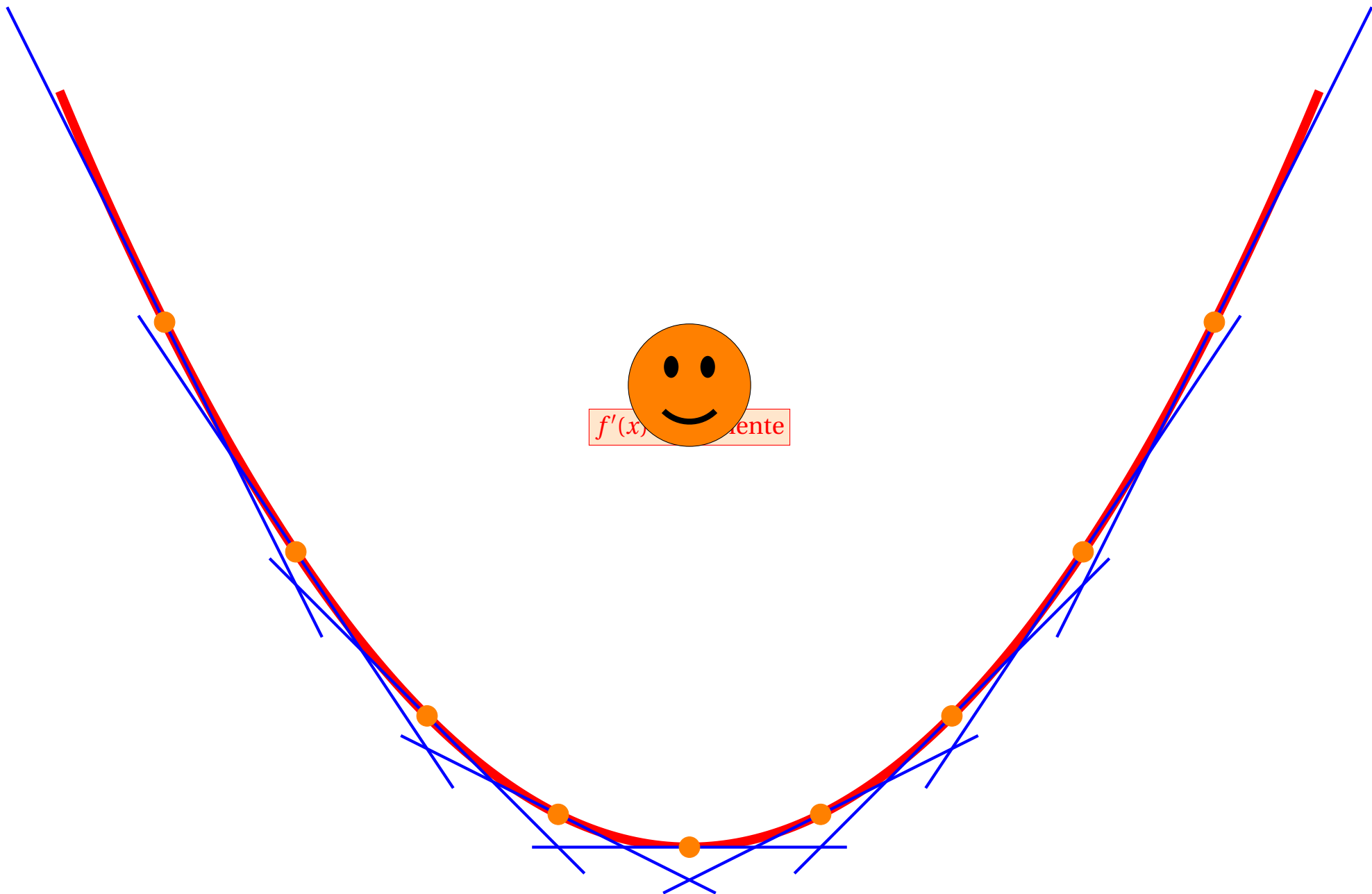


109 ***./images-tikz/trig3c.pgf***

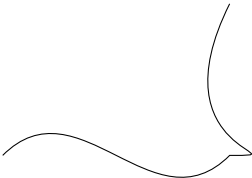
Trimmed bounding boxes



110 ***./images-tikz/concavidad.pgf***

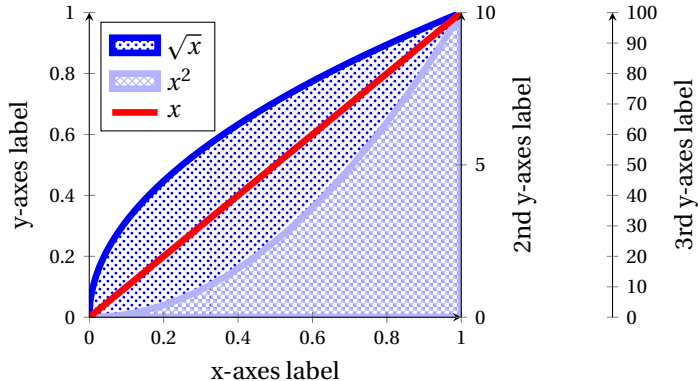


111 ./images-tikz/bezier.pgf



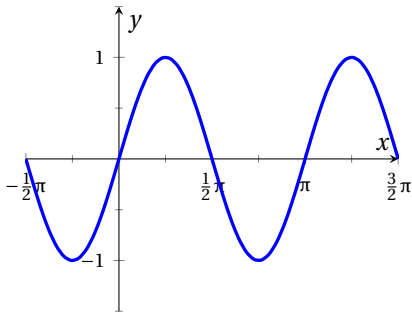
112 ./images-tikz/multiaxes.pgf

Trimmed bounding boxes

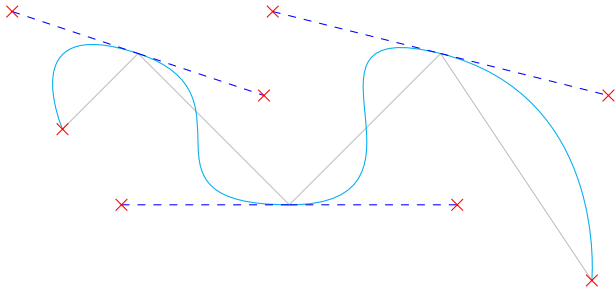
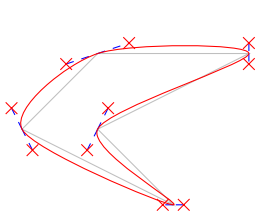


113 ***./images-tikz/senx.pgf***

Trimmed bounding boxes

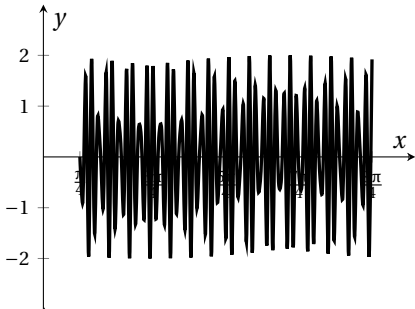


114 ***./images-tikz/image₁7.pg f***

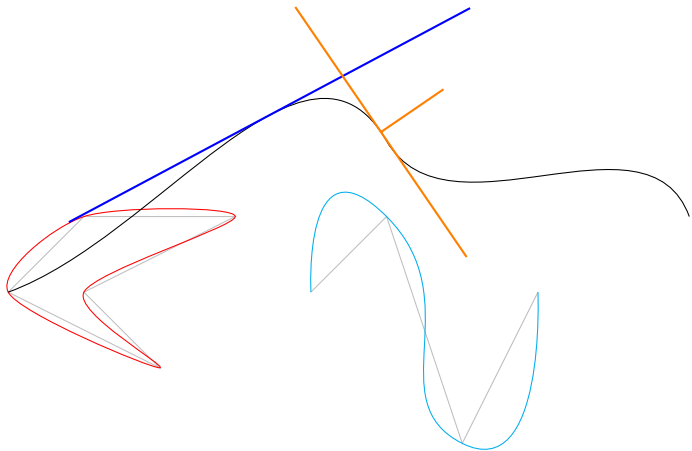


115 ***./images-tikz/senx2.pgf***

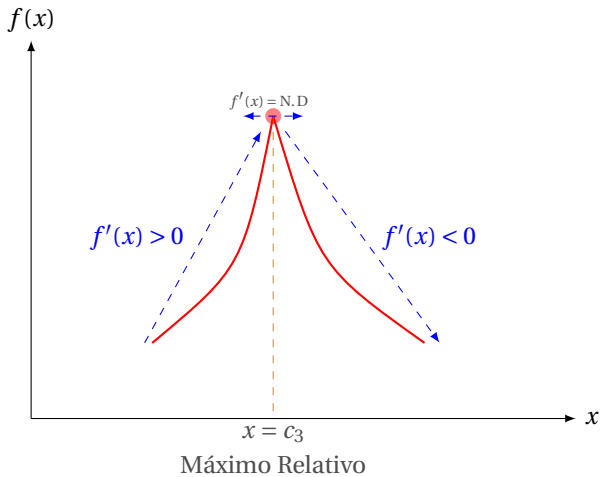
Trimmed bounding boxes



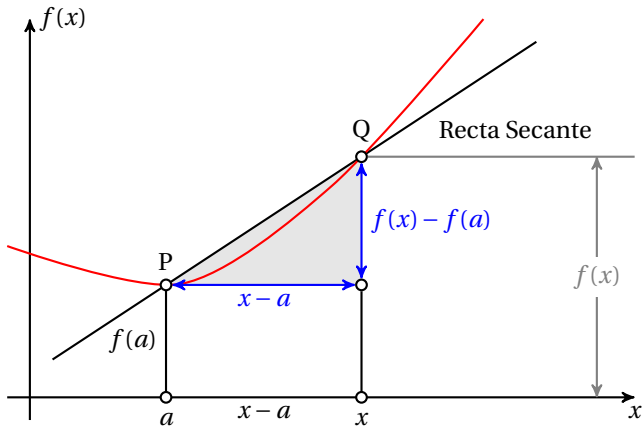
116 ***./images-tikz/image₁₆.pgf***



117 **`./images-tikz/extremos-c.pgf`**

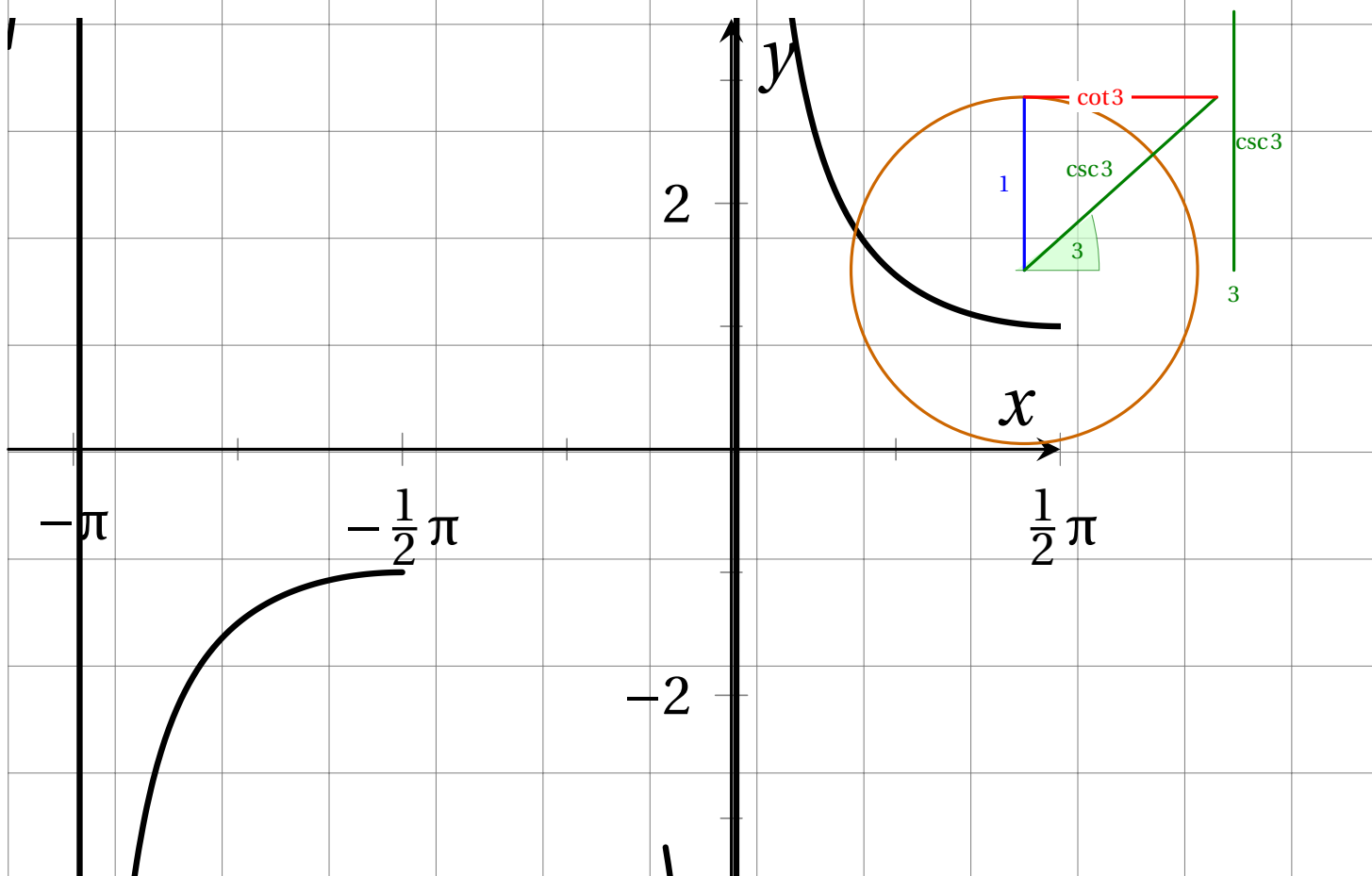


118 ./images-tikz/derivada-1.pgf



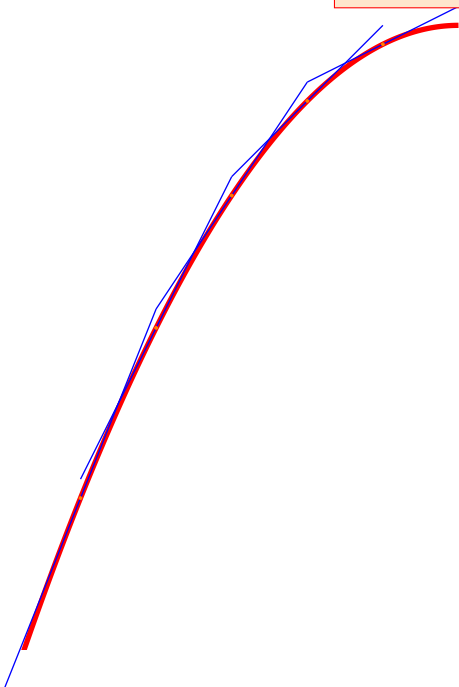
119 ***./images-tikz/trig3d.pgf***

Trimmed bounding boxes

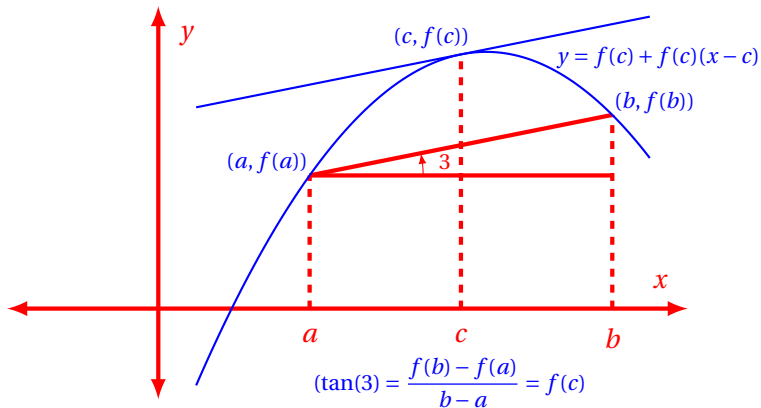


120 ***./images-tikz/creciente-a.pgf***

$$f'(x) \geq 0$$

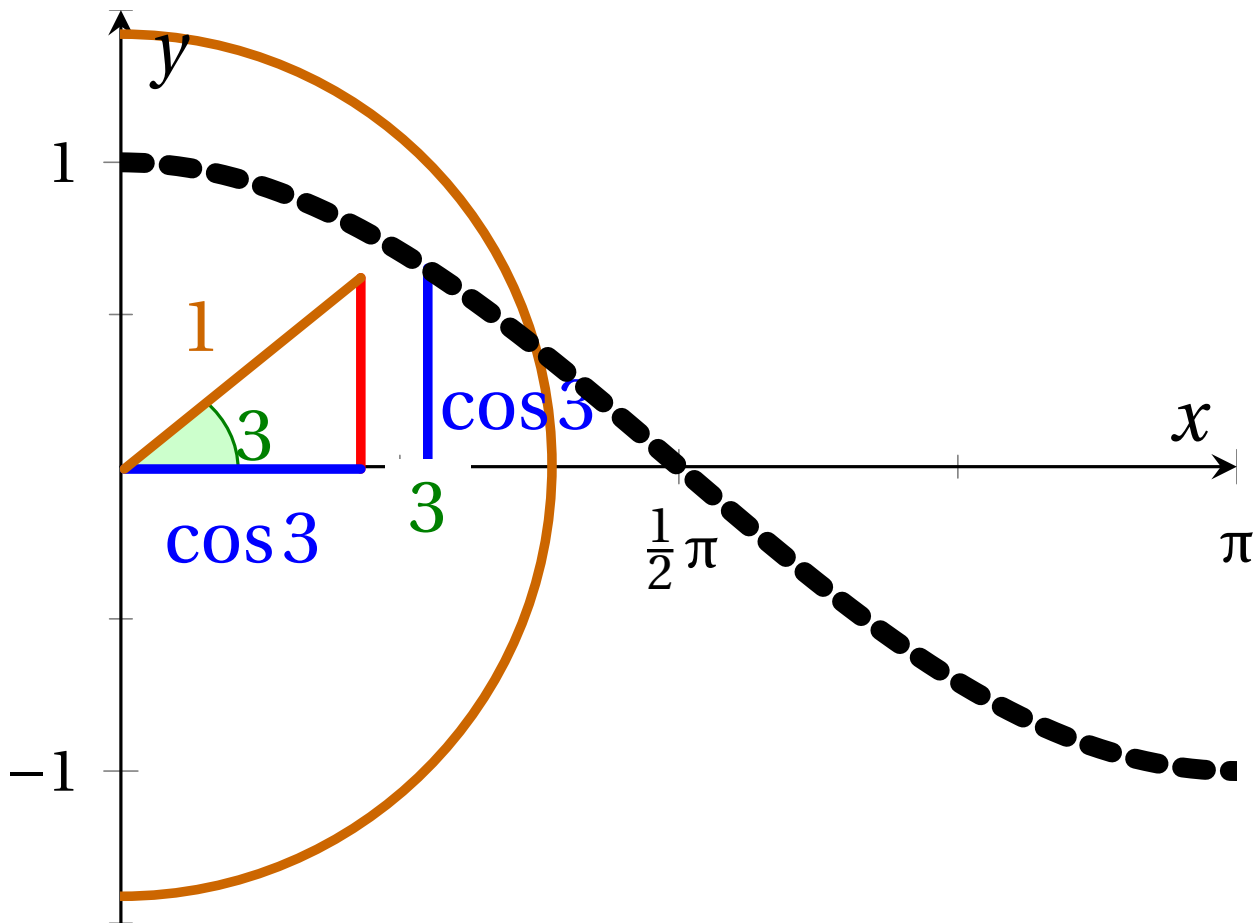


121 ***./images-tikz/lagrange.pgf***



122 ***./images-tikz/trig2.pgf***

Trimmed bounding boxes



123 ./images-tikz/ejsegde.pgf

