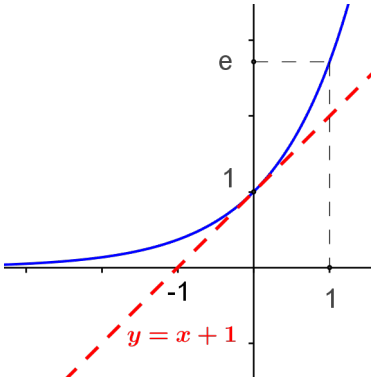
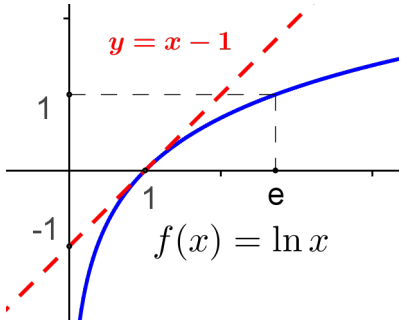
Tracer de courbe On indiquera les valeurs particulières, les (demi-)tangentes intéressantes (en particulier les verticales quand elles existent) et les asymptotes

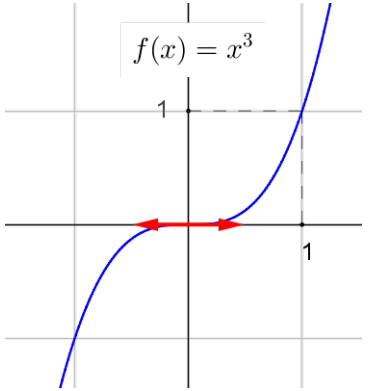
1. Tracer l'allure de la courbe de $x \mapsto e^x$ (C 300)



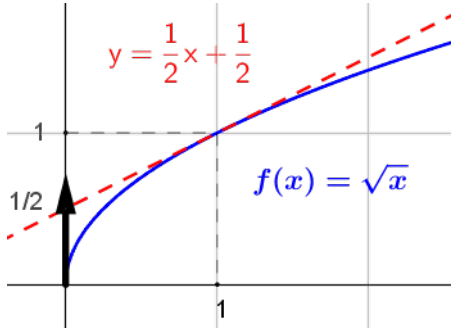
2. Tracer l'allure de la courbe de $x \mapsto \ln x$ (C 301)



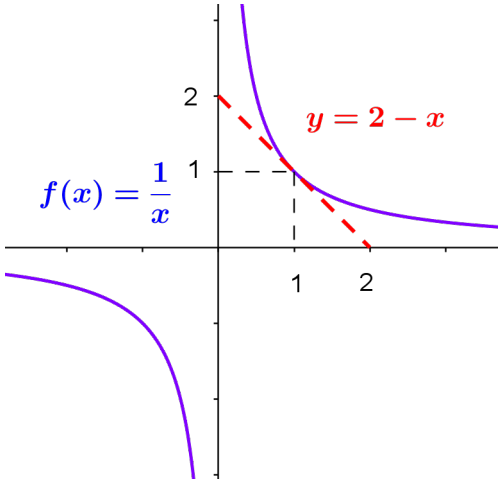
3. Tracer l'allure de la courbe de $x \mapsto x^3$ (C 302)



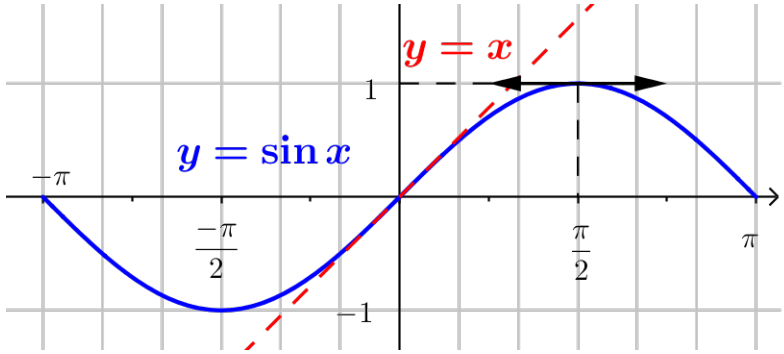
4. Tracer l'allure de la courbe de $x \mapsto \sqrt{x}$ (C 303)



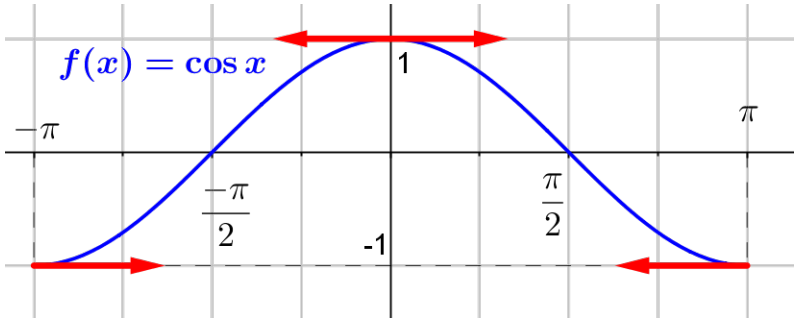
5. Tracer l'allure de la courbe de $x \mapsto \frac{1}{x}$ (C 304)



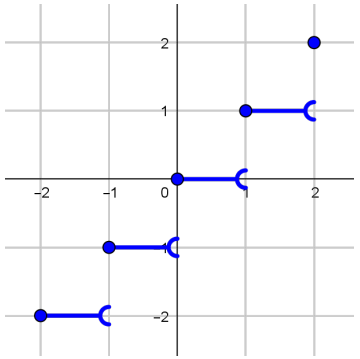
6. Tracer l'allure de la courbe de $x \mapsto \sin x$ sur $[-\pi,\ \pi]$ (E 306)



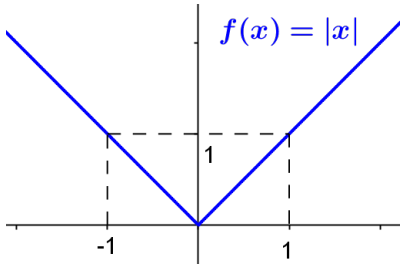
7. Tracer l'allure de la courbe de $x \mapsto \cos x$ sur $[-\pi,\ \pi]$ (C 307)



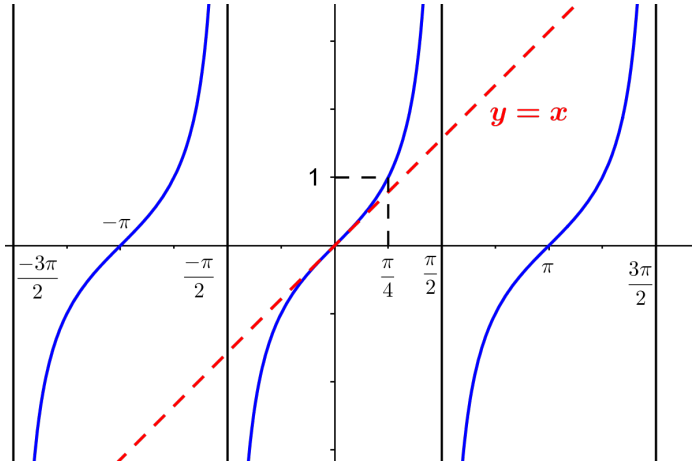
8. Tracer l'allure de la courbe de $x \mapsto \lfloor x \rfloor$ sur $[-2,2]$ (C 312)



9. Tracer l'allure de la courbe de $x \mapsto |x|$ (C 305)

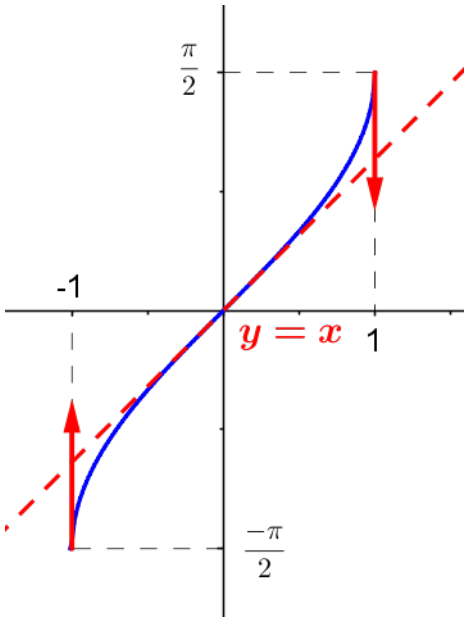


10. Tracer l'allure de la courbe de $x \mapsto \tan x$ sur $[-3\pi/2,\ 3\pi/2]$ (C 308)

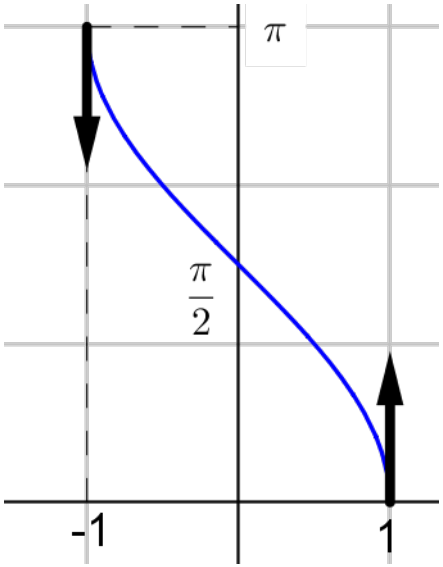


A connaître plus tard :

11. Tracer l'allure de la courbe de $x \mapsto \arcsin x$ (C 309)



12. Tracer l'allure de la courbe de $x \mapsto \arccos x$ (C 310)



13. Tracer l'allure de la courbe de $x \mapsto \arctan x$ (E 311)