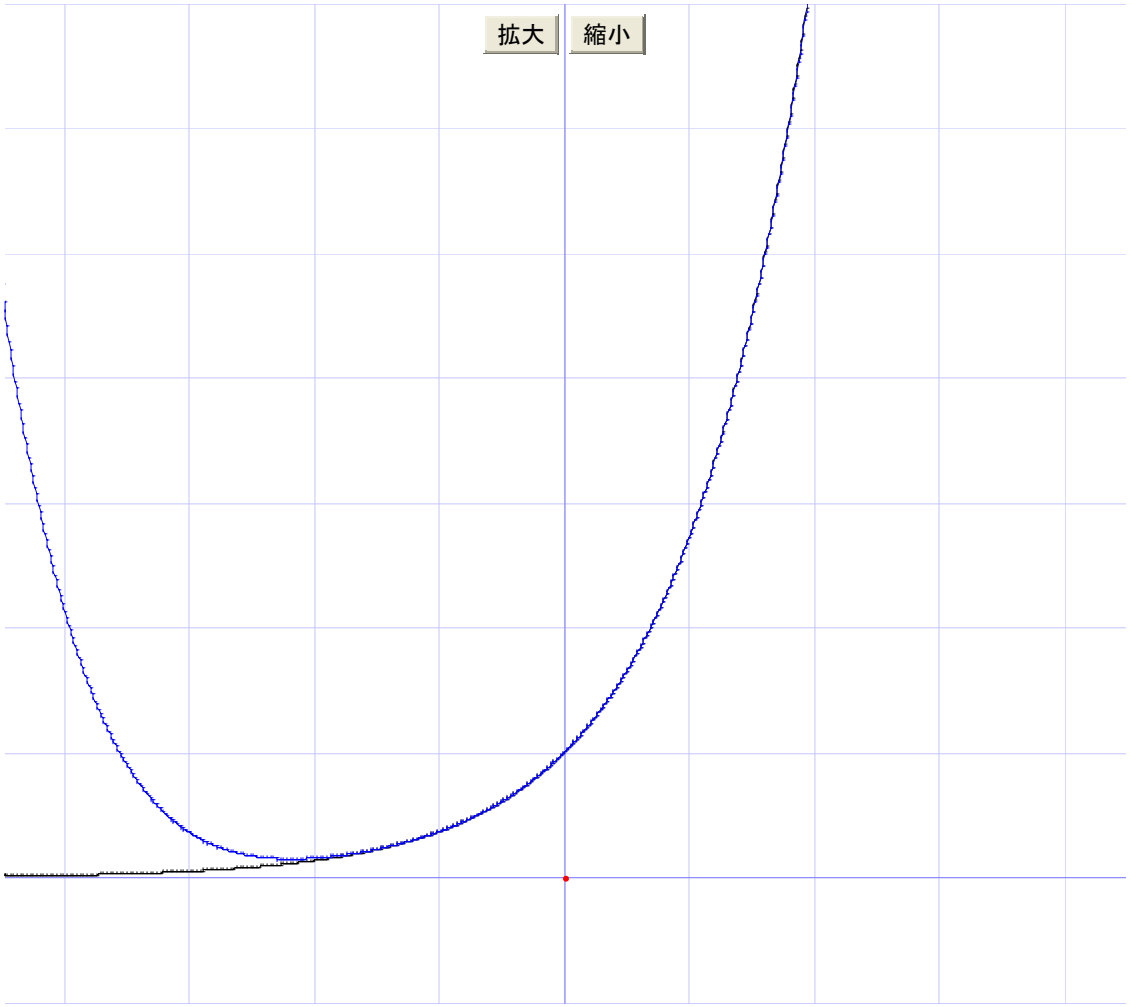

e^2 のマクローリン展開

$y = x$

$\cos x = 1 + x + x^2/2! + x^3/3! + x^4/4! + x^5/5!$
$+ \ldots\ldots + x^n/n! + \ldots\ldots$

は e^2 のマクローリン展開と呼ばれます。

…
n のとき

$y = e^2$ のグラフと
$y = 1 + x + x^2/2! + x^3/3! + x^4/4! + \ldots\ldots + x^n/n!$
のグラフを比べて見ましょう

続きます

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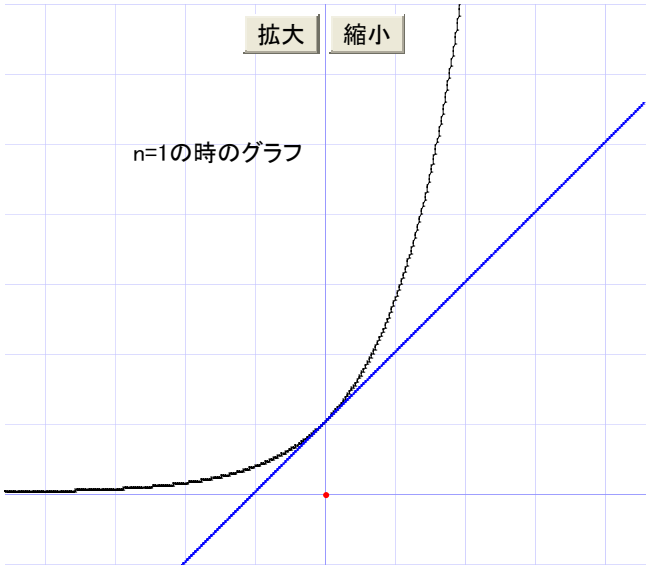
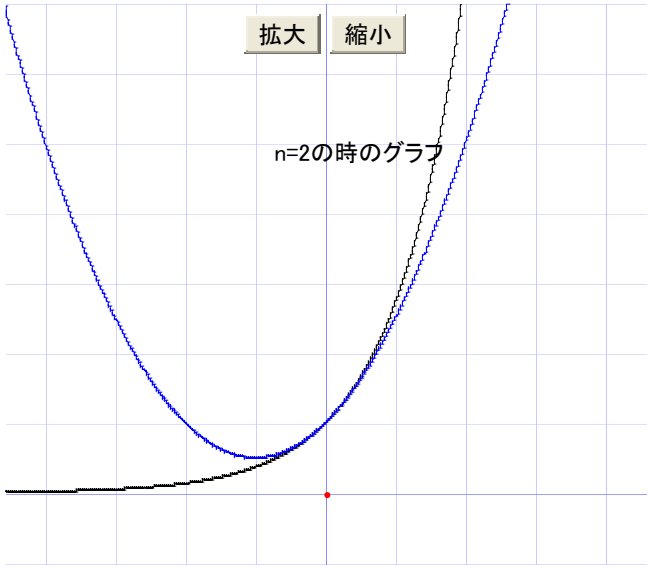
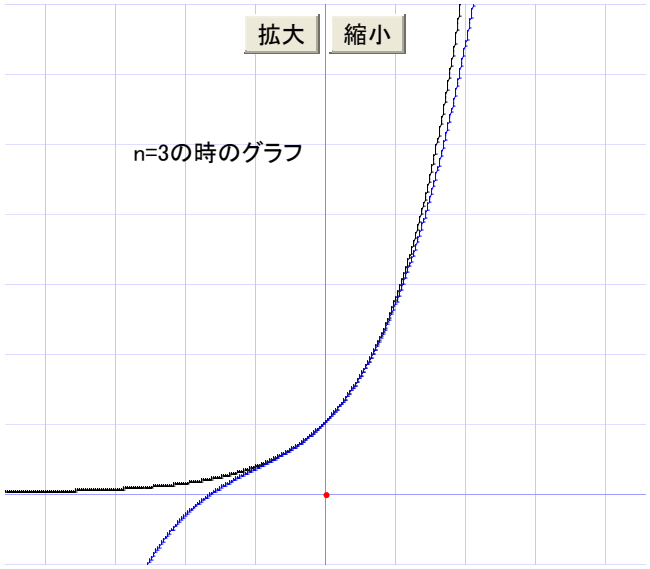
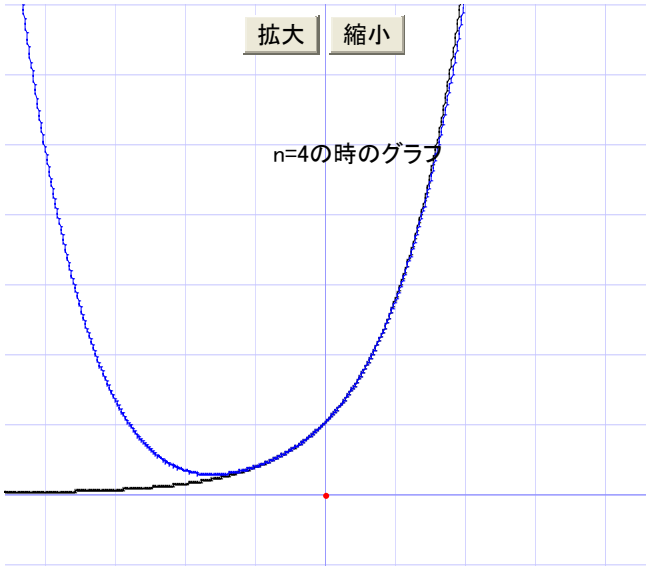
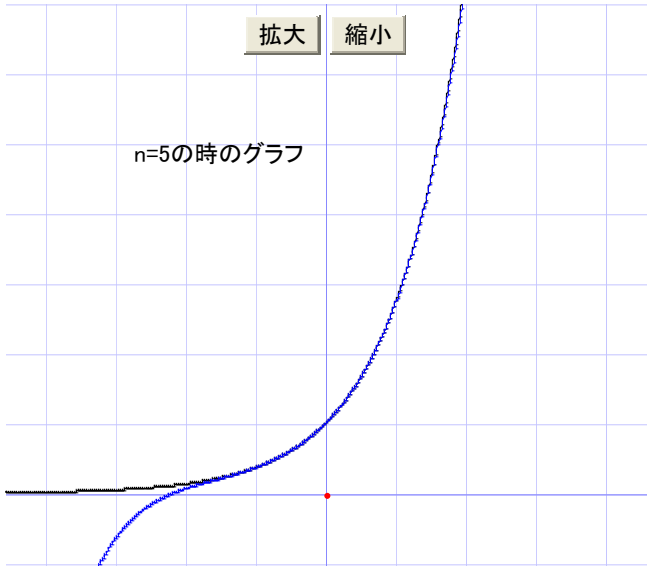
sin x の展開　cos x の展開

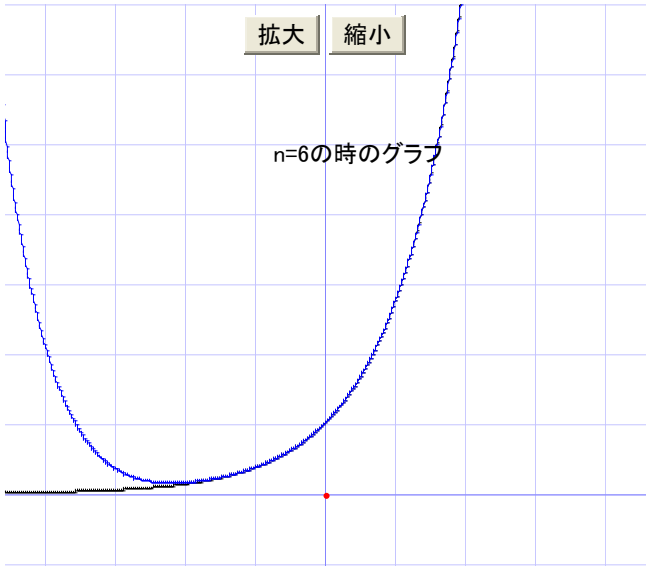

拡大
縮小
n=1の時のグラフ

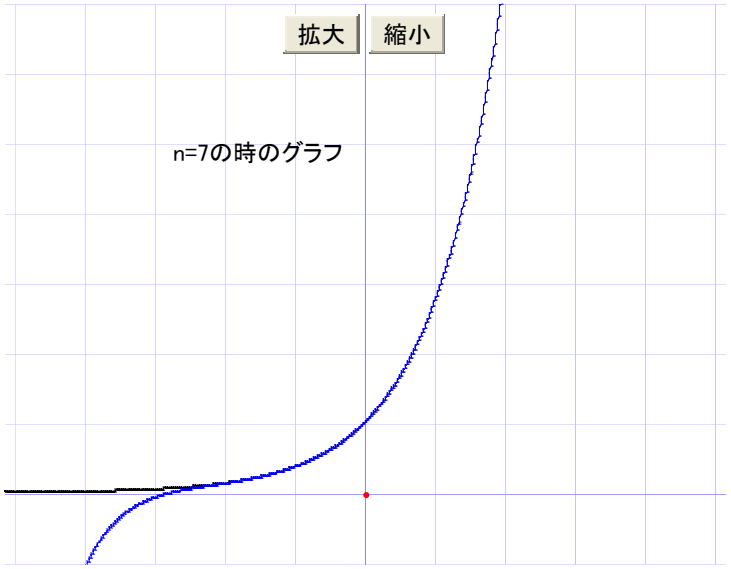

拡大
縮小
n=2の時のグラフ

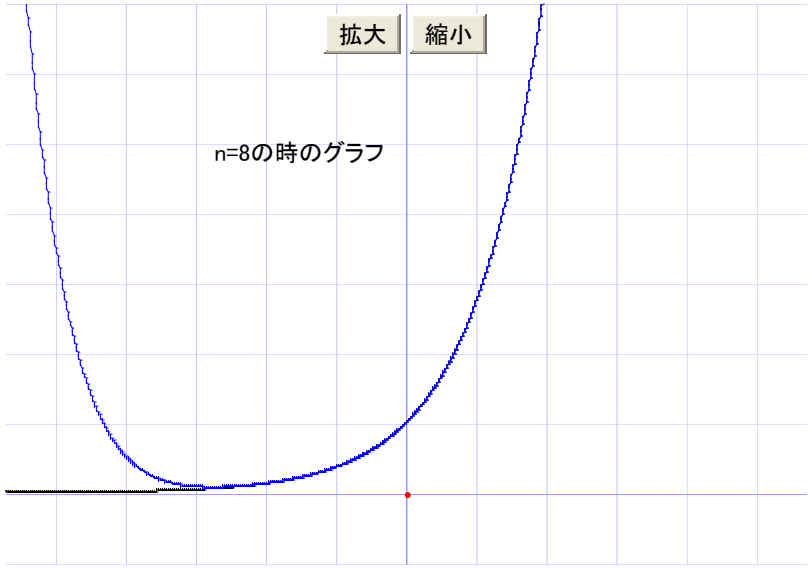

拡大
縮小
n=3の時のグラフ

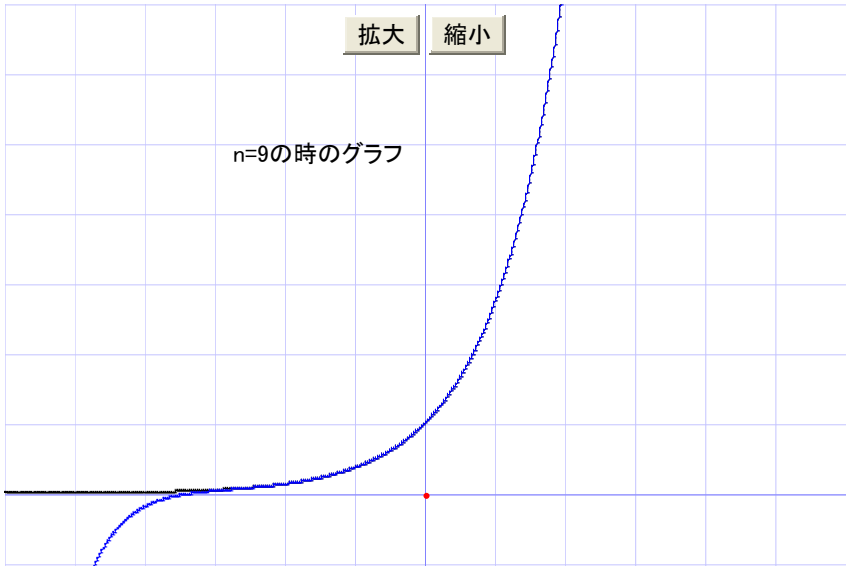

拡大
縮小
n=4の時のグラフ

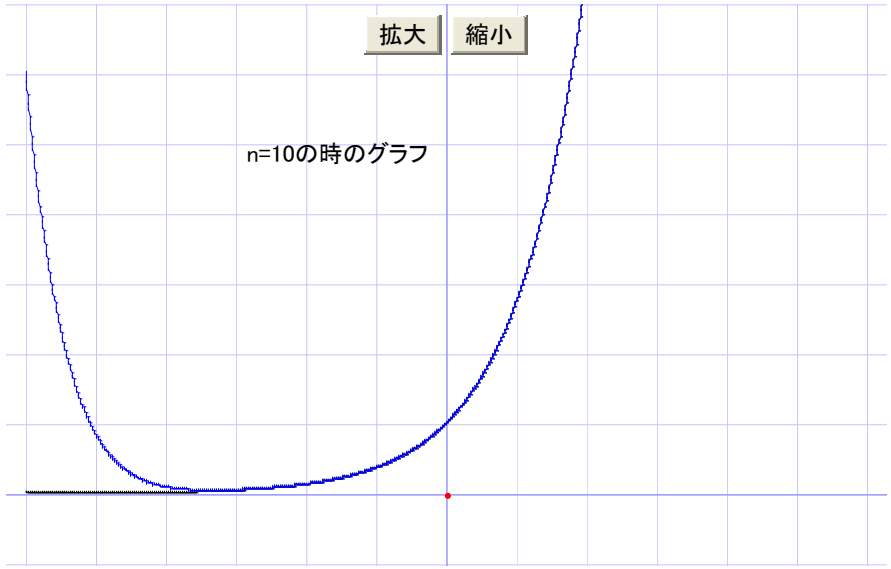

拡大
縮小
n=5の時のグラフ


拡大
縮小
n=6の時のグラフ


拡大
縮小
n=7の時のグラフ


拡大
縮小
n=8の時のグラフ


拡大
縮小
n=9の時のグラフ


拡大
縮小
n=10の時のグラフ