

$y = \left(\frac{1}{2}\right)^x$ と $y = \log_{\frac{1}{2}} x$ のグラフ

```

%begin{pszahyou}[ul=8mm,ueyohaku=2em](-3,5)(-3,5)
%tenretu{[1]E(1,0)sw,[1]F(0,1)sw}
%def\Fx{log2(1/2,X)}
%def\Gx{(1/2)**X}
%YGraph<hidariT=X>%Gx
%YGraph<color=red,infx=0,migiT=Y>%Fx
%Drawline<iro=cyan,linewidth=3>{#trueLB#trueRT}
%tenretu**{[$y=#left(#frac12#right)^x$]X[ne];[$y=#log_{#frac12}x$]Y[sw];%
[$y=x$]trueRT[nw]}
%def#pval{1.75}
%YTen#Gx#pval#A
%Taisyouten#A#LB#RT#B
%Put#A[syaei=xy,xlabel=p,ylabel=q]{}
%Put#B[syaei=xy,xlabel=q,ylabel=p]{}
%Tyuuten#A#B#M
%gsave#setlinewidth3
%Drawline{#A#B}
%toudenkigou<2>{#A#M;#B#M}
%Tyokkakukigou#A#M#RT
%grestore
%end{pszahyou}

```

