9 AM
Sep. 4

Zoo of function

Student input generated

x^2 x^3

C
const.

$mx+b$

Polynomial

$\frac{1}{1+x^2}$ $1/x$

rational

$\sqrt{x}$

$\sqrt[3]{x}$

root fn

ae^{bx}
expon

$e^x = \exp(x)$

$\cos(x)$

$\tan(x)$

$\sin(x)$

trig

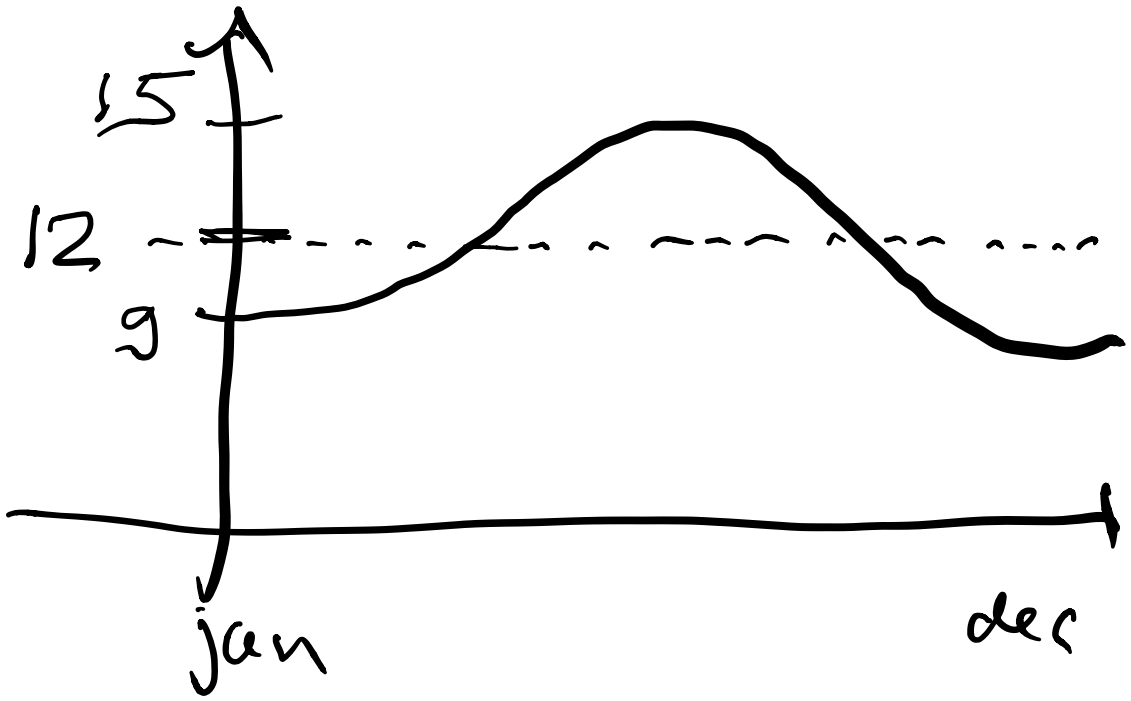
$\log(x) = \ln(x)$

log

$|x|$

floor
step function

Special



$$y = a\sin(bx+c)+d$$

$$= a\cos(bx+c)+d$$

$$= \boxed{-3\cos(x)+12}$$