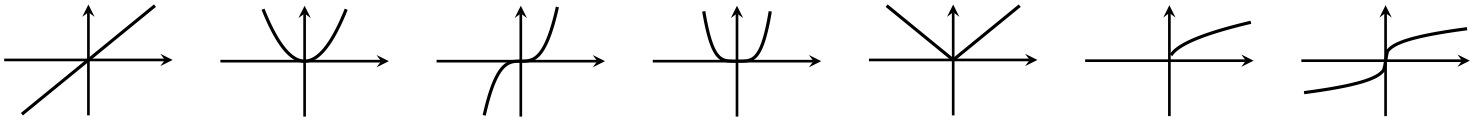
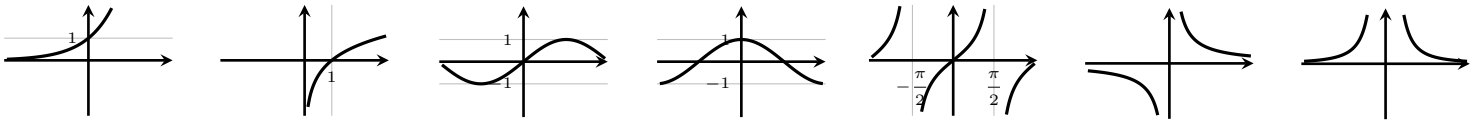
Parent Function Repertoire

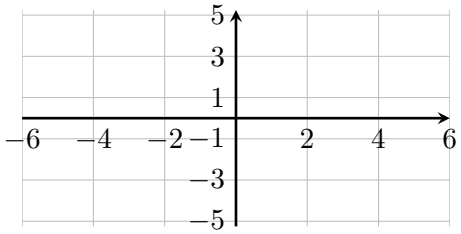
$f(x) = x$ $f(x) = x^2$ $f(x) = x^3$ $f(x) = x^4$ $f(x) = |x|$ $f(x) = \sqrt{x}$ $f(x) = \sqrt[3]{x}$



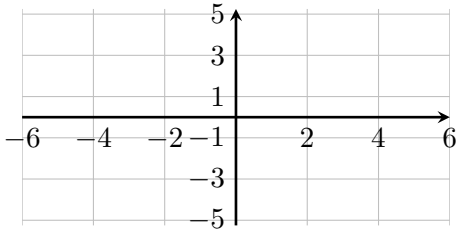
$f(x) = e^x$ $f(x) = \ln(x)$ $f(x) = \sin(x)$ $f(x) = \cos(x)$ $f(x) = \tan x$ $f(x) = \frac{1}{x}$ $f(x) = \frac{1}{x^2}$



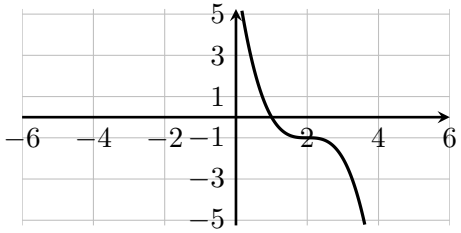
1. $f(x) = 2(x-3)+1$



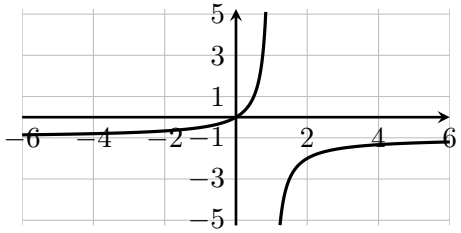
2. $f(x) = -e^{x+1}+1$



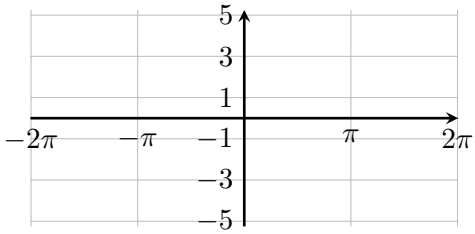
3. $f(x) =$



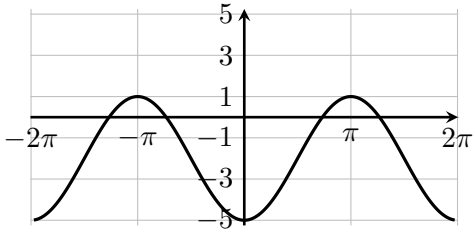
4. $f(x) =$



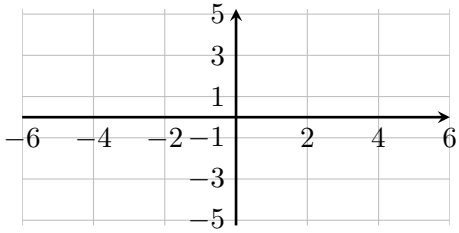
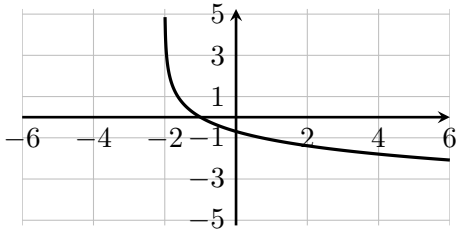
5. $f(x) = 2\sin(3x)+1$



6. $f(x) =$



7. $f(x) = \sqrt[3]{1-x}+2$



8. $f(x) =$