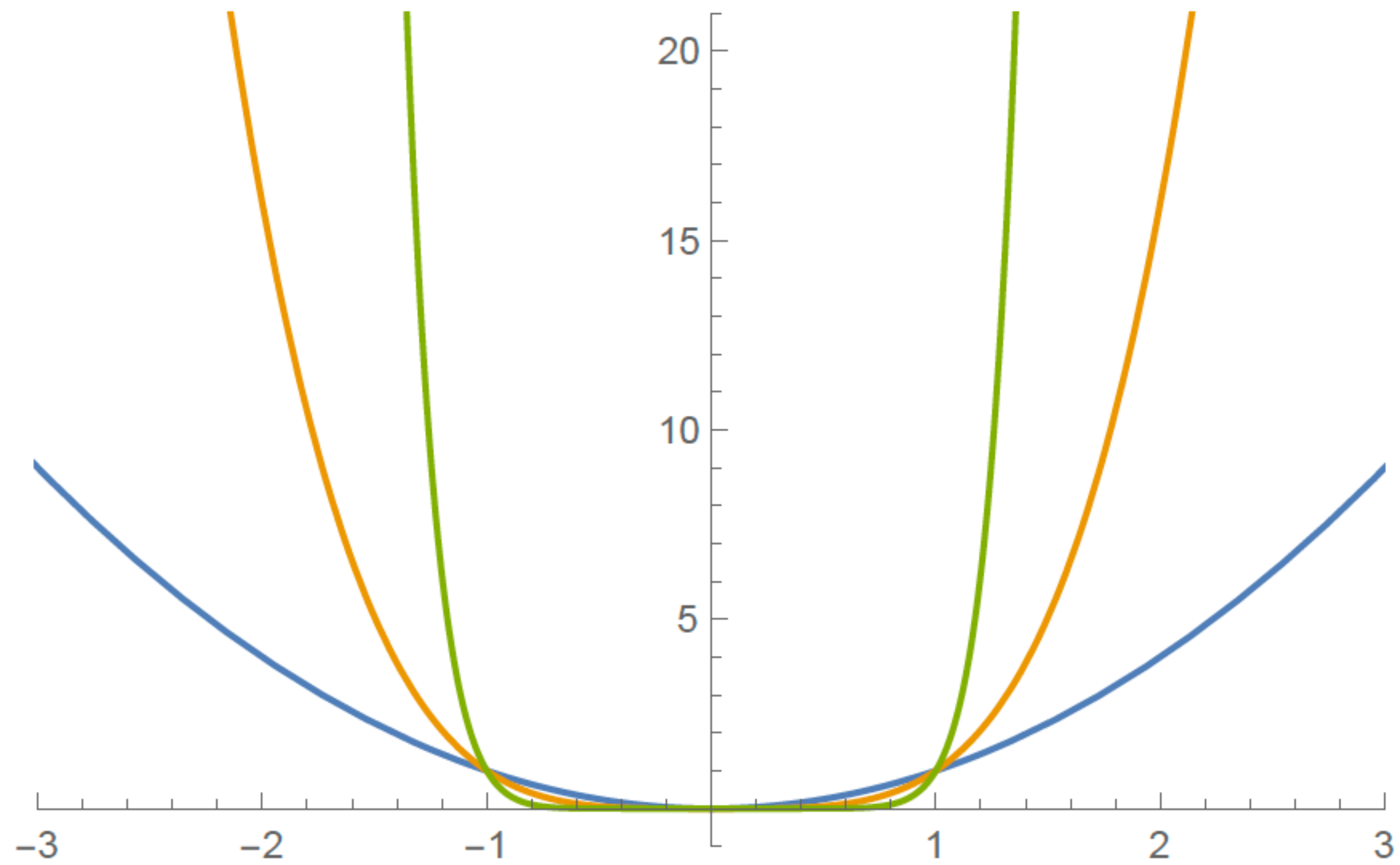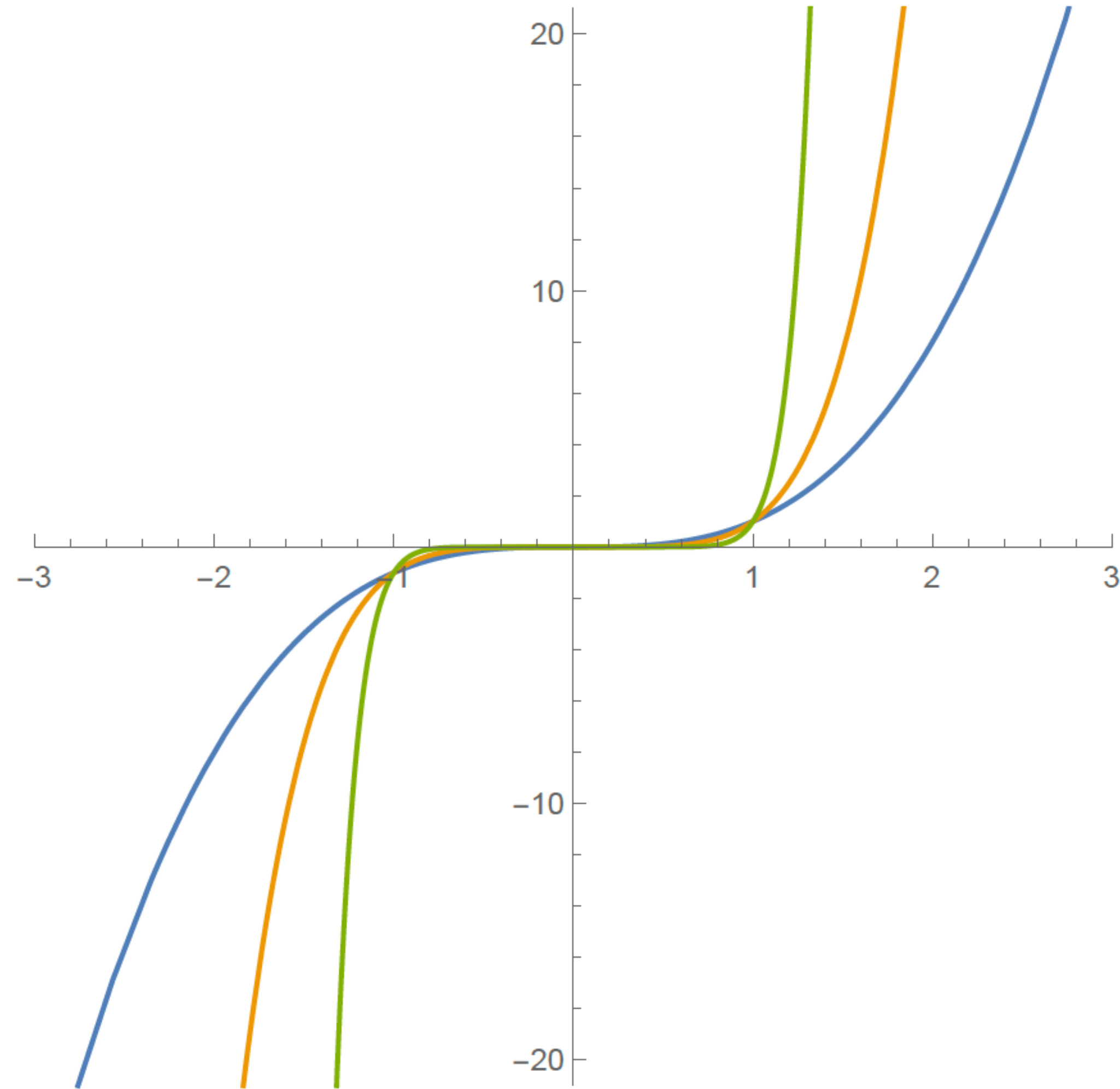# Some Fundamental Functions

And their Graphs
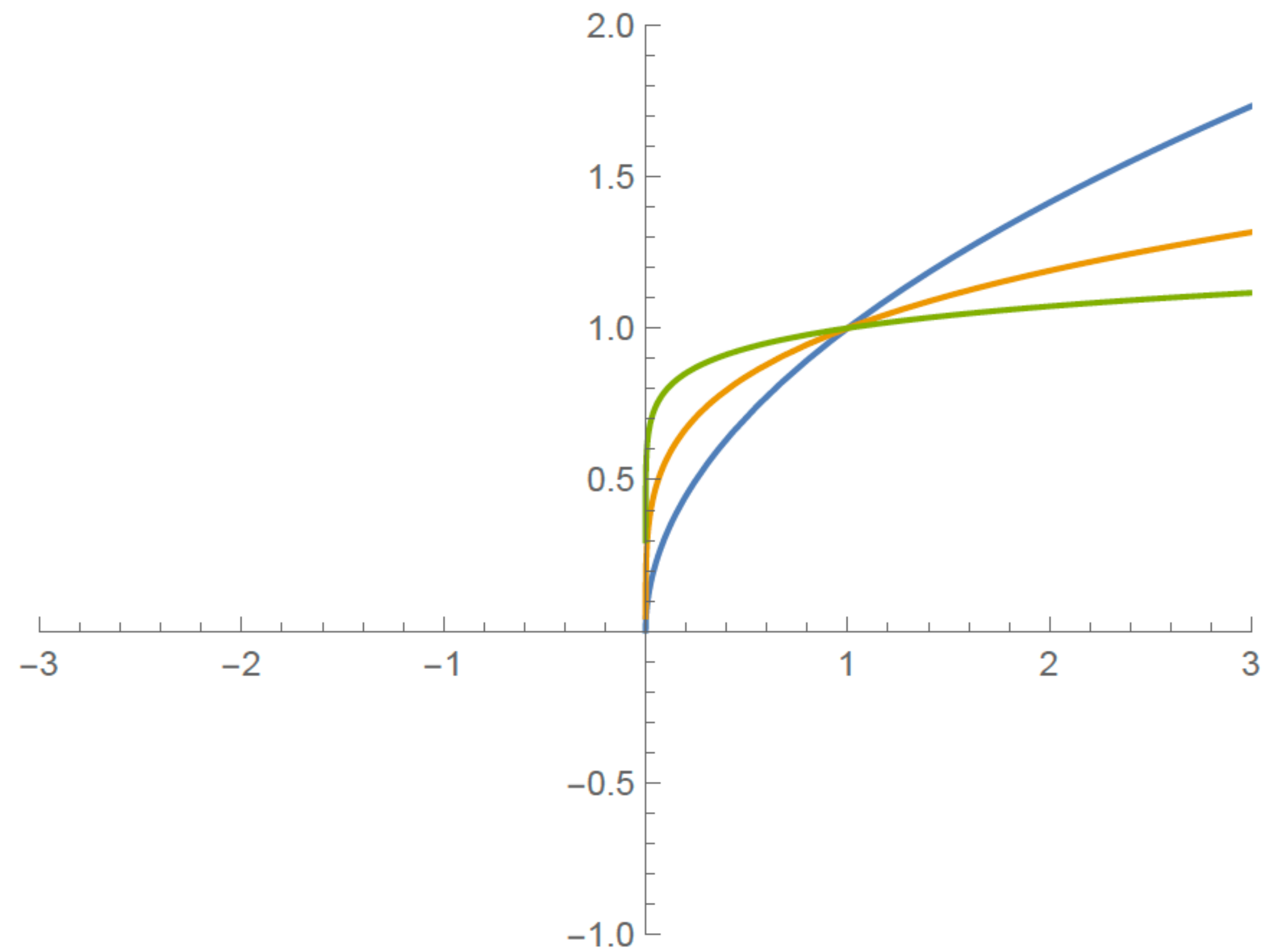
MA1011 (IIIT Manipur)
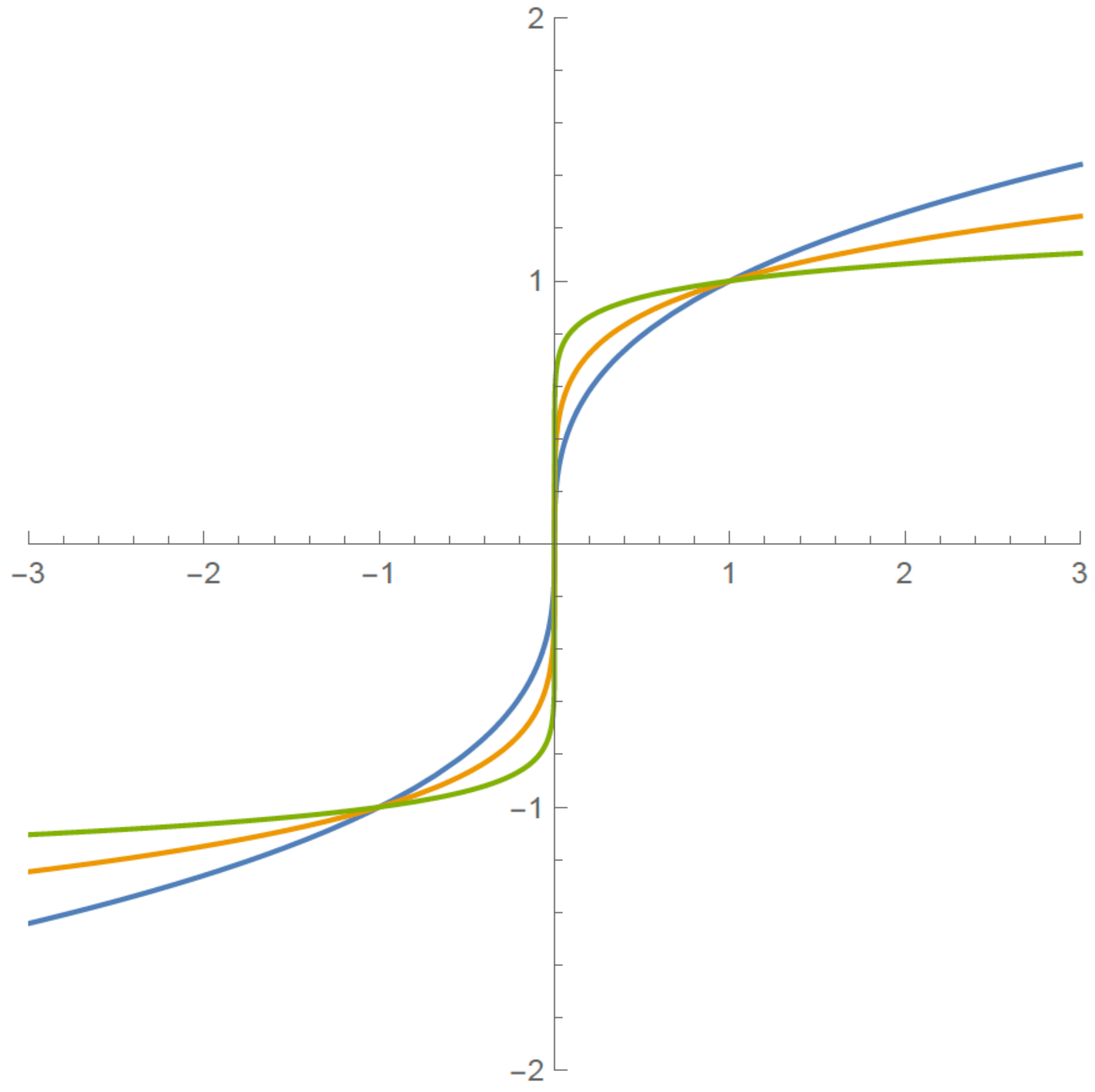
The graphs of x^2, x^4 and x^{10} (in blue, orange and green respectively)
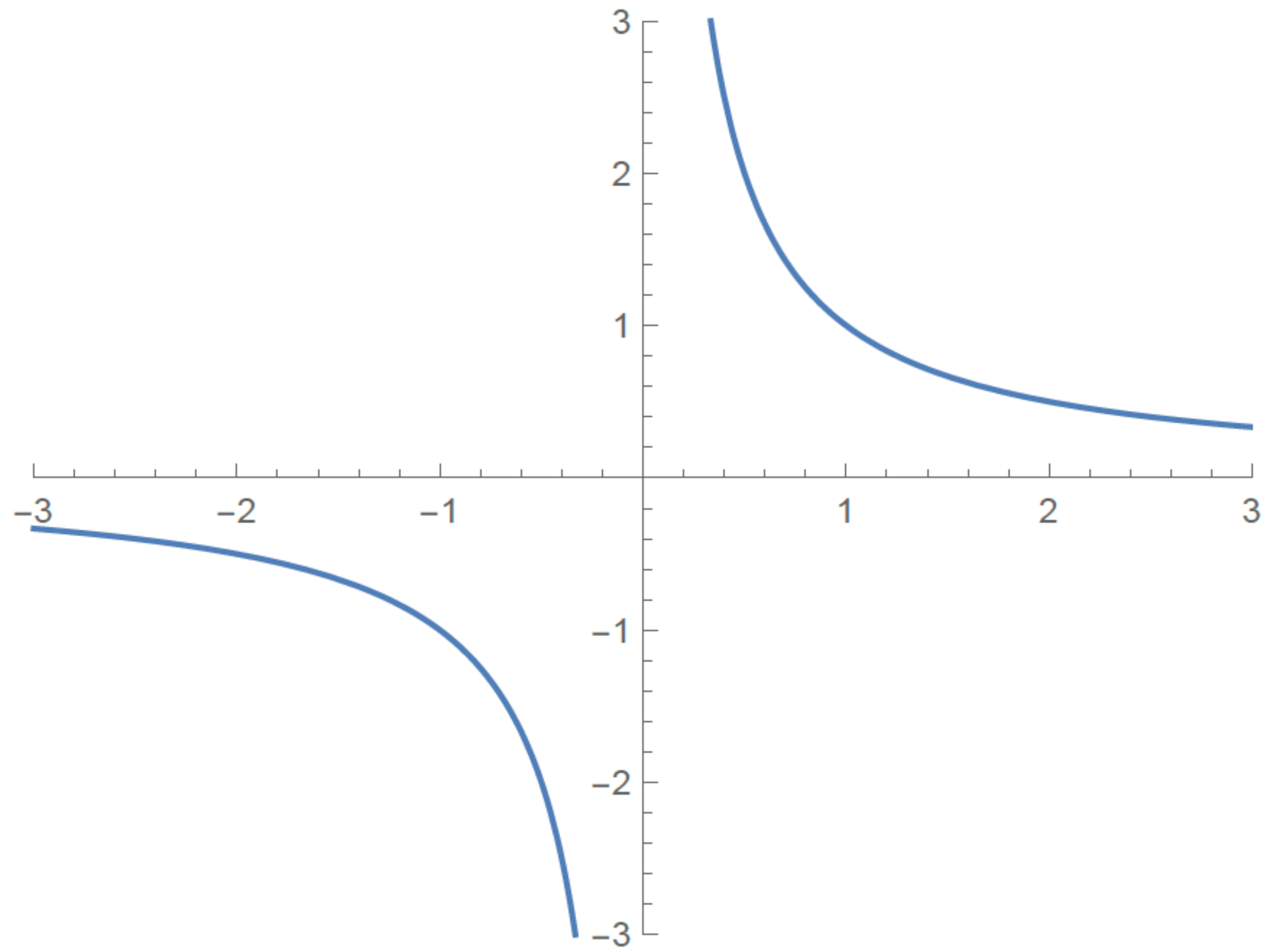
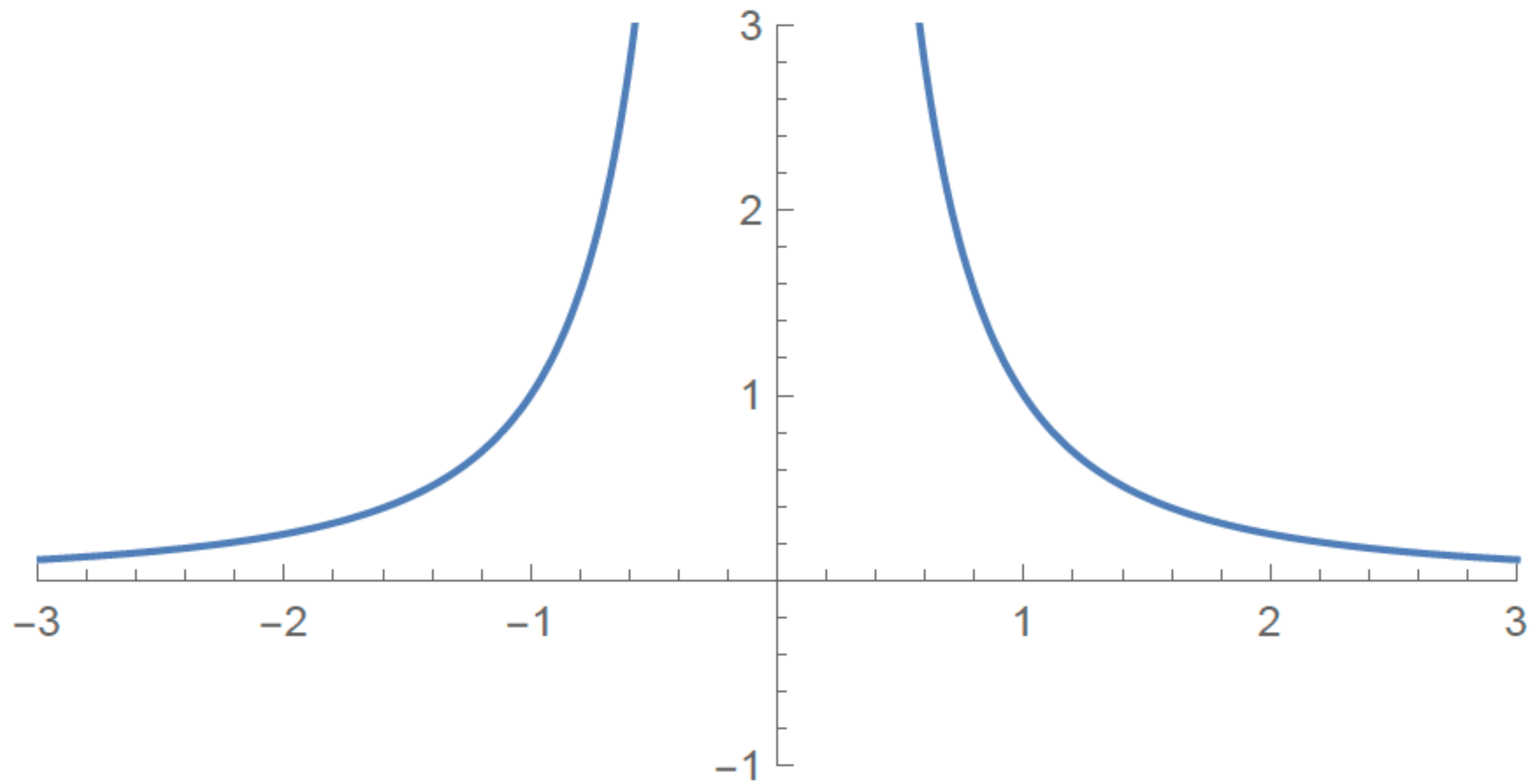The graphs of x^3, x^5 and x^{11} (in blue, orange and green respectively)

The graphs of $\sqrt[2]{x}$, $\sqrt[4]{x}$ and $\sqrt[10]{x}$ (in blue, orange and green respectively)
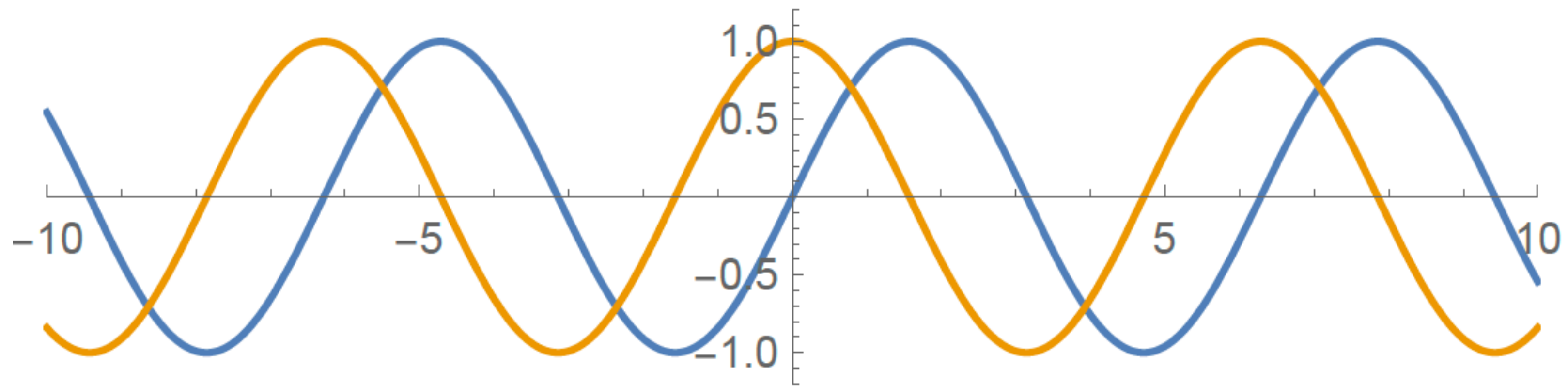
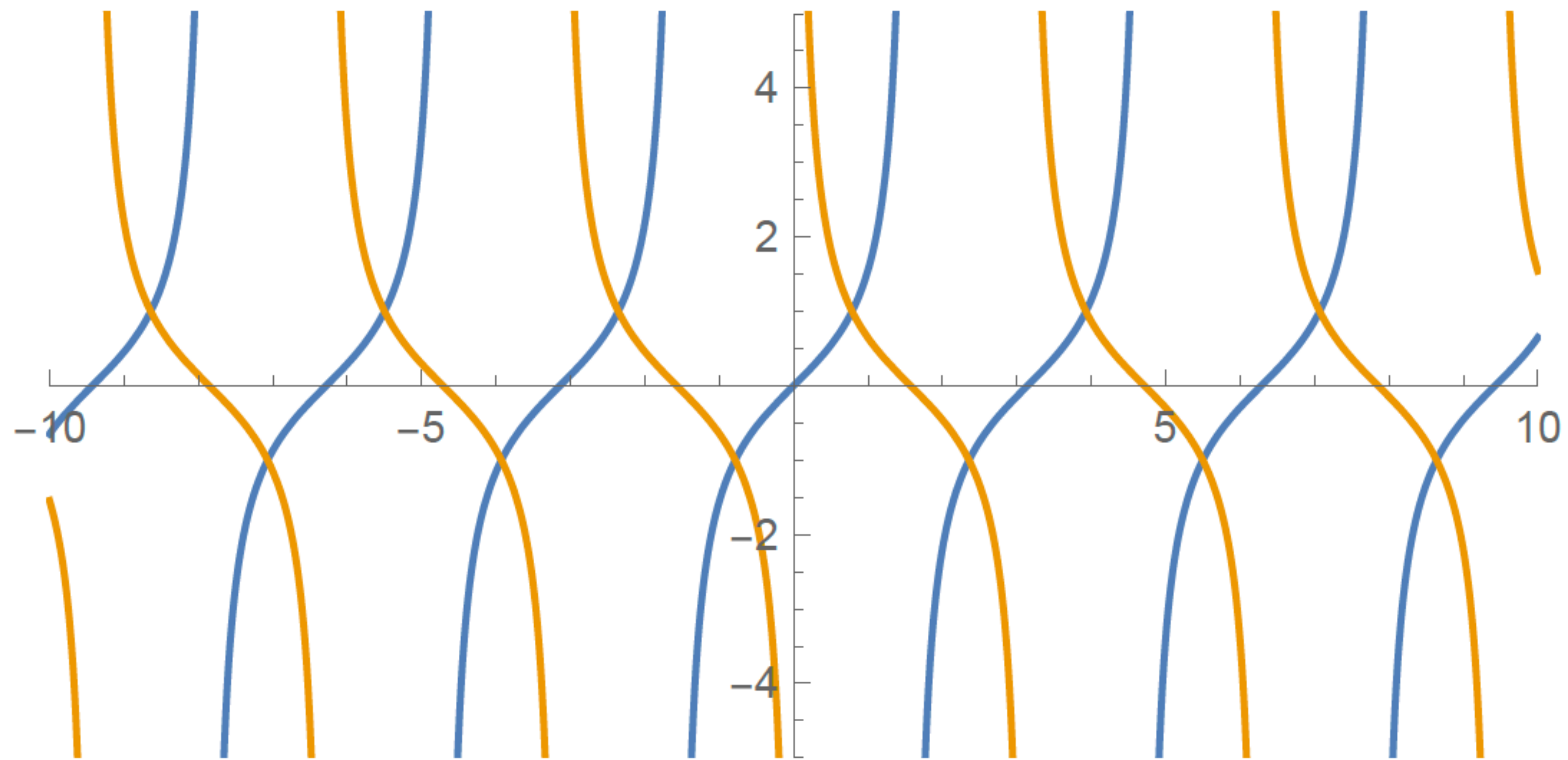The graphs of $\sqrt[3]{x}$, $\sqrt[5]{x}$ and $\sqrt[11]{x}$ (in blue, orange and green respectively)
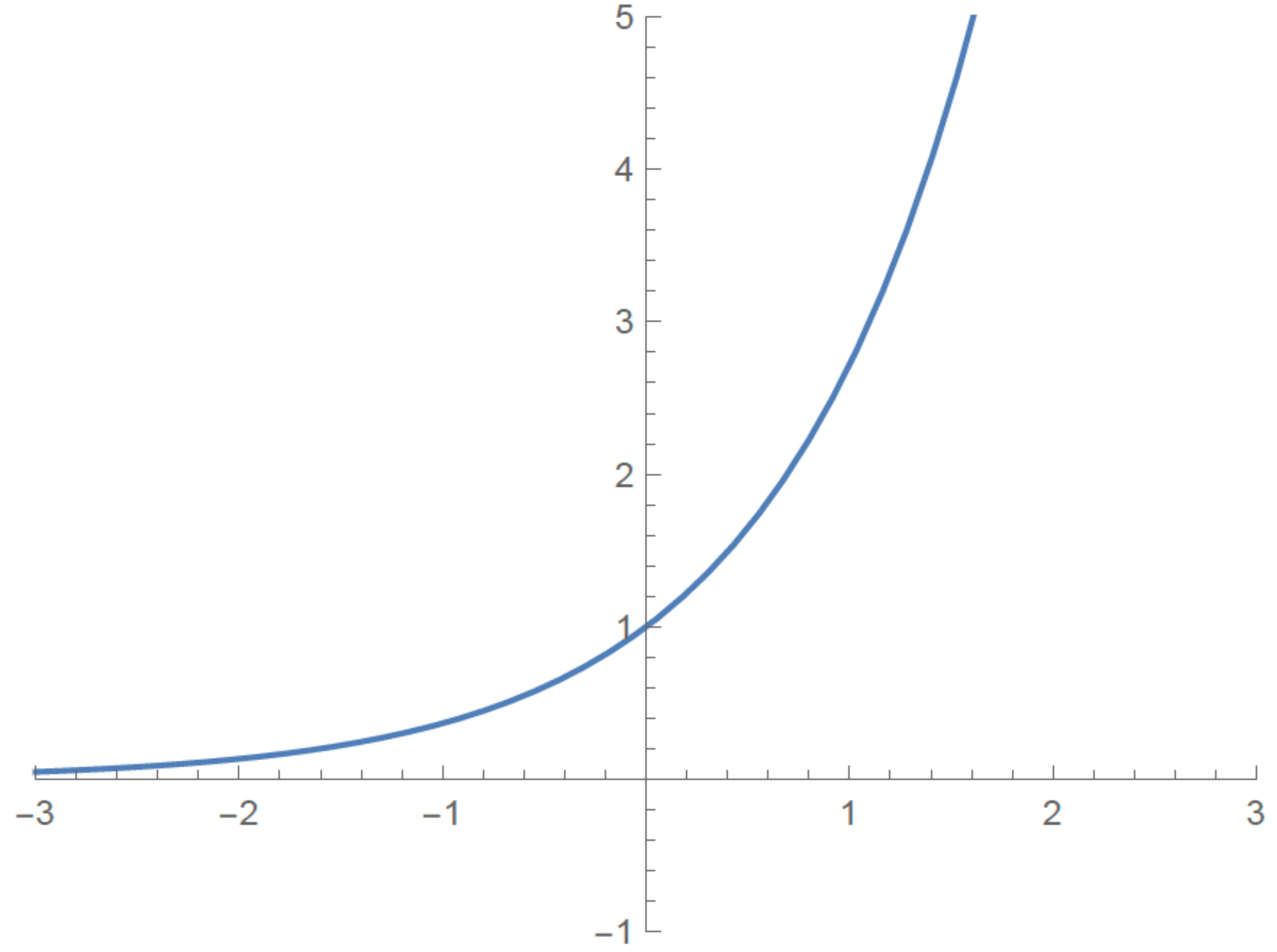
Graph of $\dfrac{1}{x}$
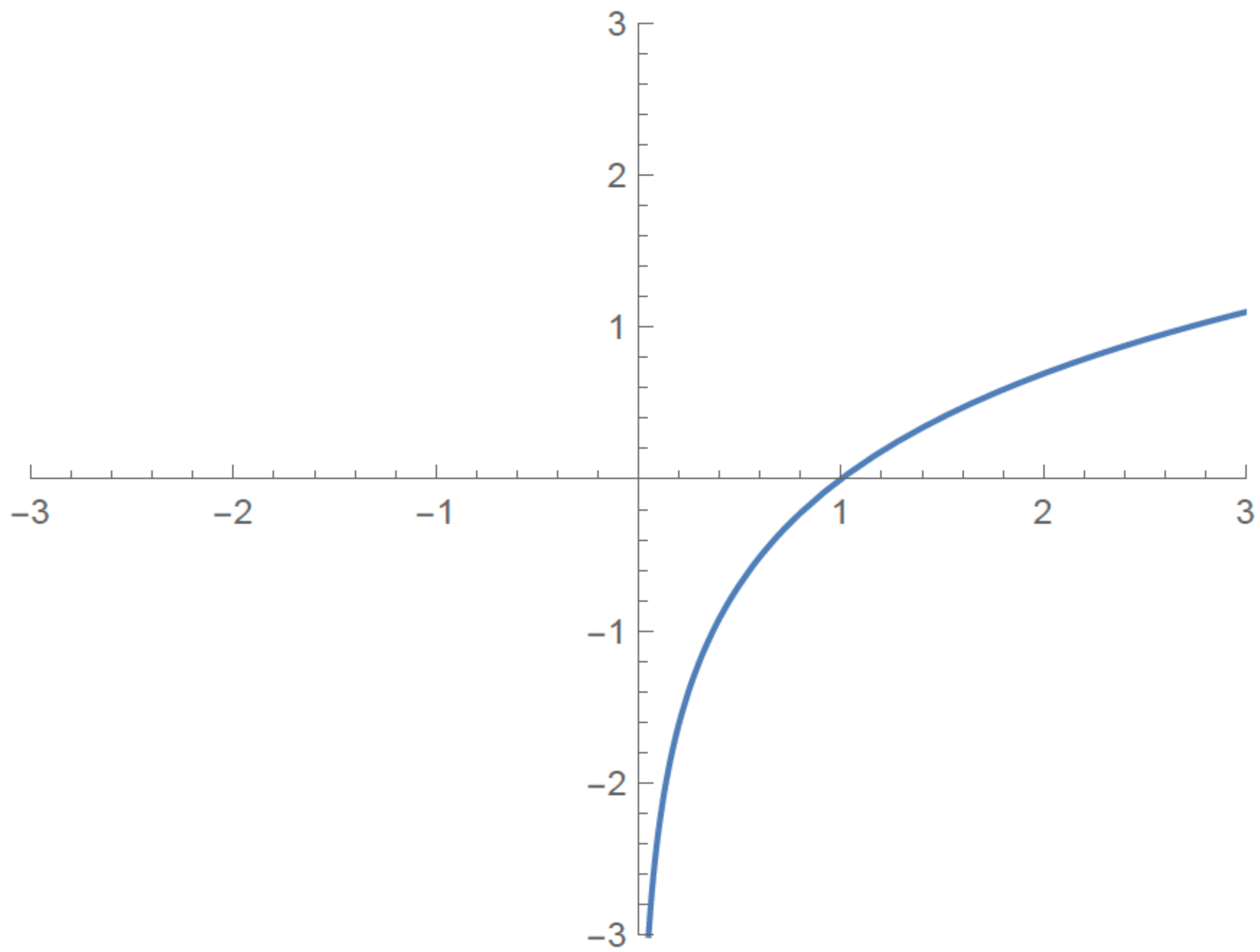
Graph of $\dfrac{1}{x^2}$

: The blue line is the graph of $\sin x$ while the orange line is $\cos x$.
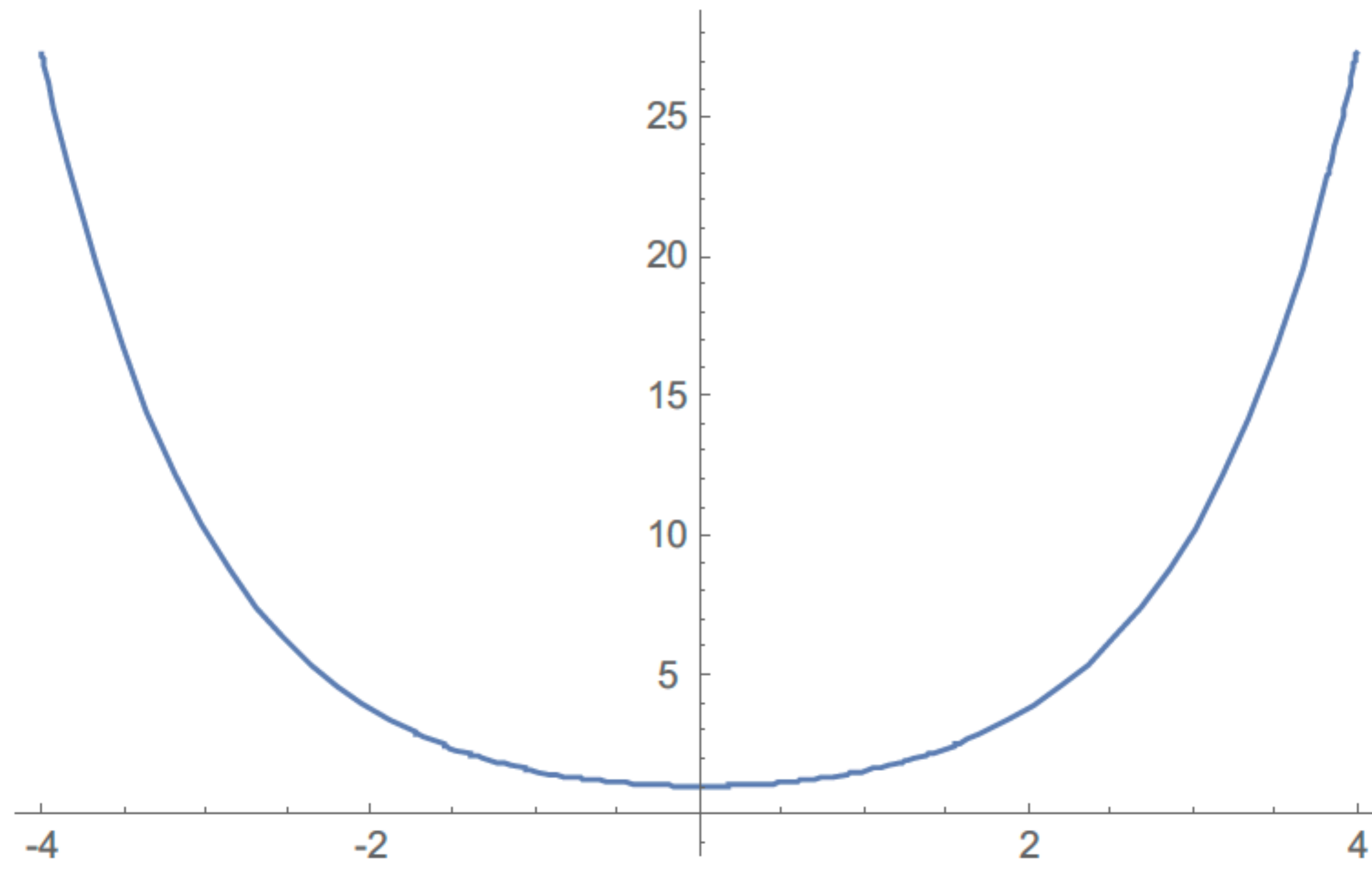
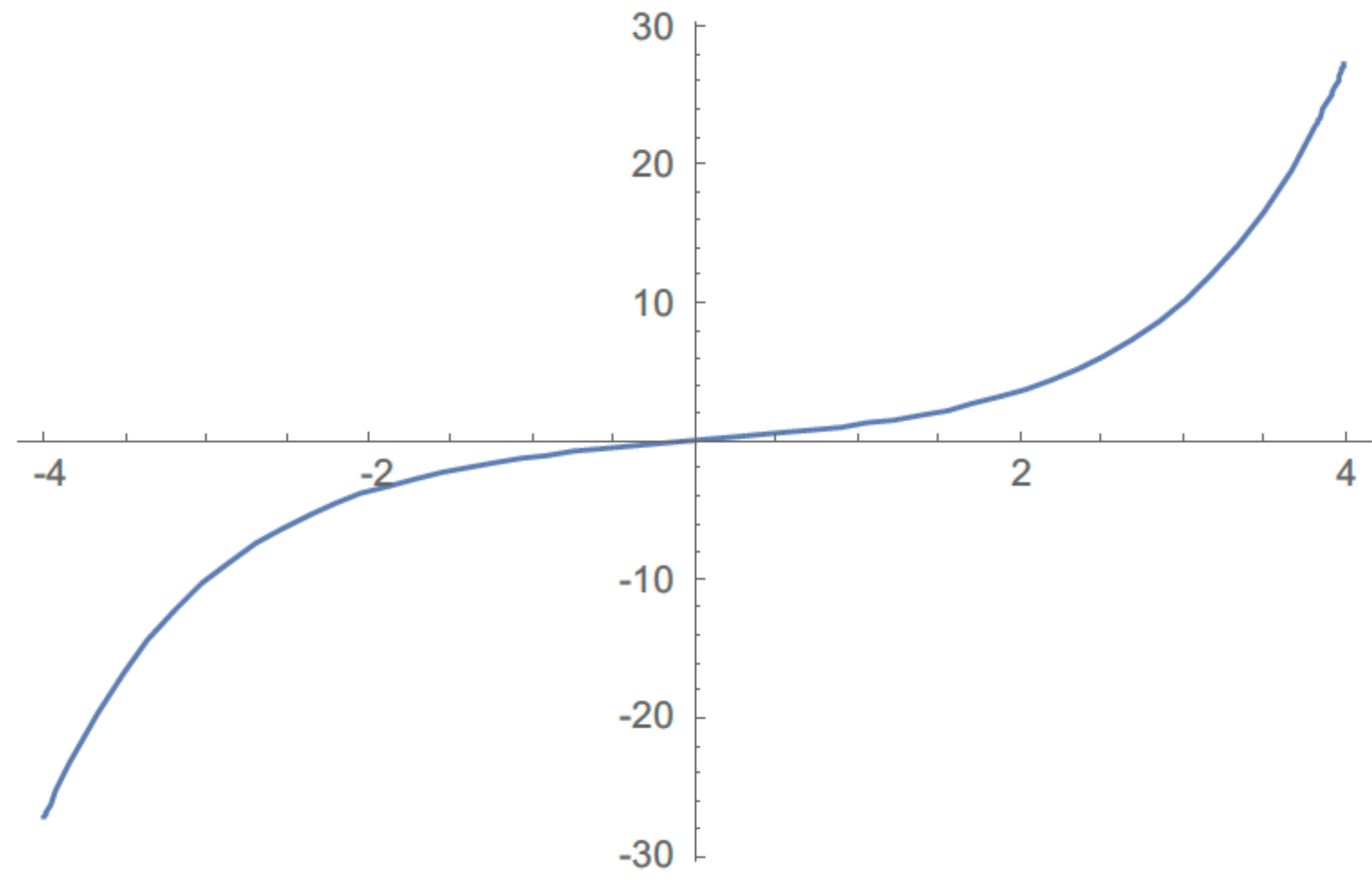The blue line is the graph of $\tan x$ while the orange line is $\cot an x$.
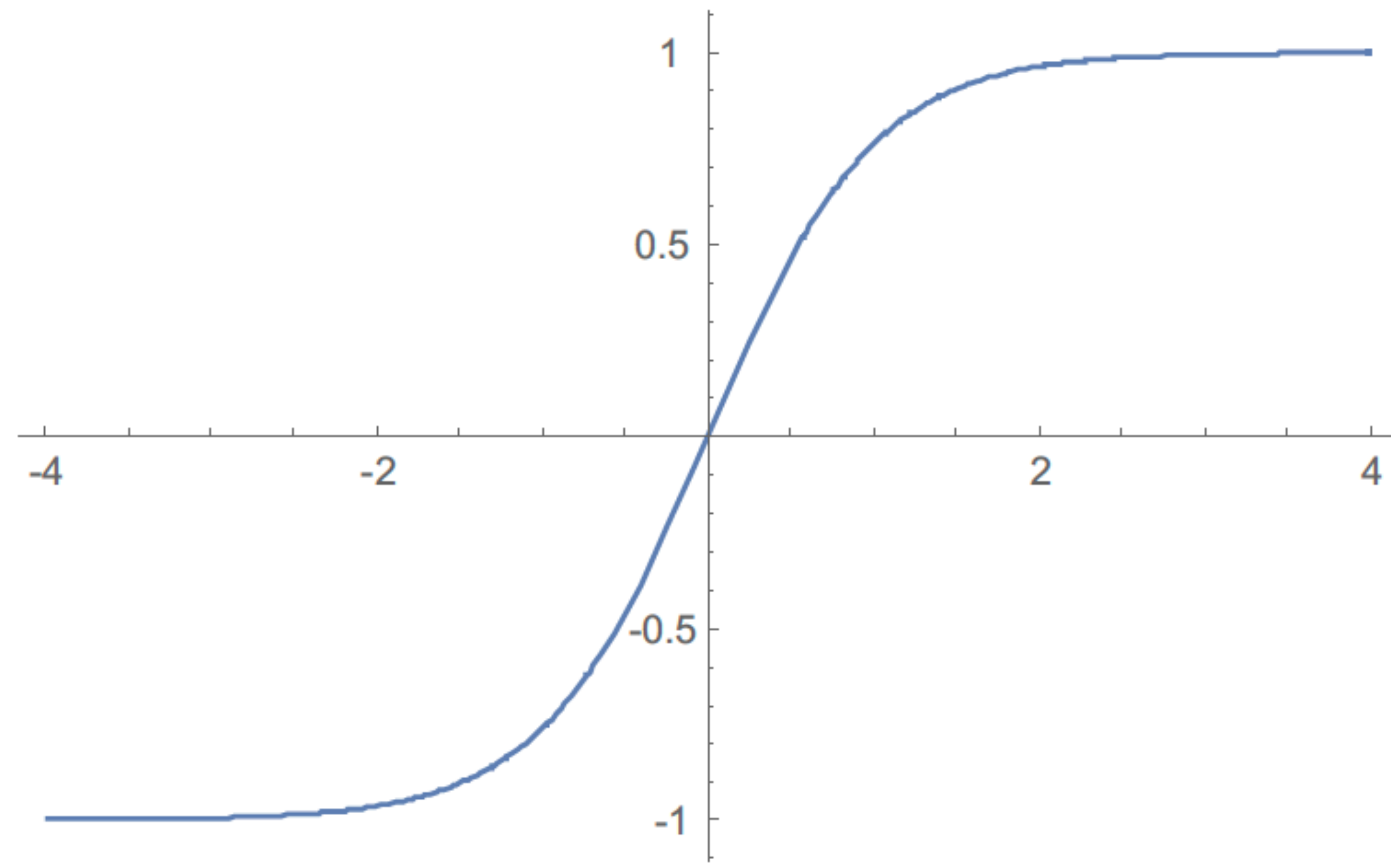
Graph of e^x

Graph of ln x

Graph of cosh x

Graph of sinh x

Graph of tanh x

Fin.