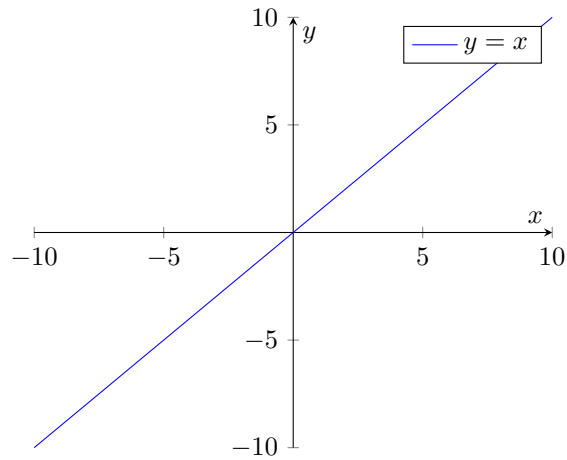# 1819-108-C1-W2-03.pdf

Nauris Silkāns

February 10th 2019

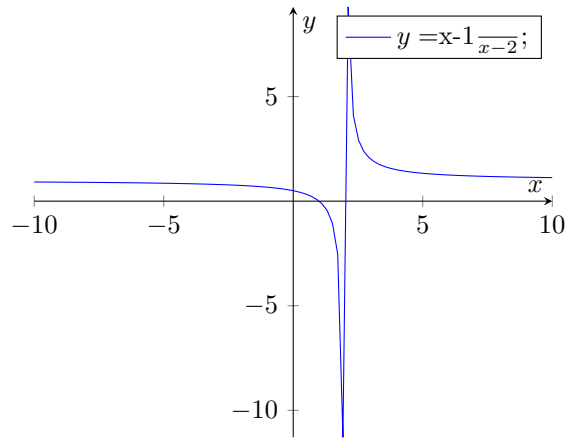## 0.1 Grafiku zīmēšana

0.1.1 Grafiks y=x

0.1.2 Kods grafika y=x zīmēšanai

```
\begin{tikzpicture}
\begin{axis}[
 axis x line=middle,
 axis y line=middle,
    xlabel = $x$,
    ylabel = {$y$},
]

\addplot [
    domain=-10:10,
    samples=2,
    color=blue,
    ]
    {x};
\addlegendentry{$y=x$}

\end{axis}
\end{tikzpicture}
```

0.1.3   grafiks y=$\frac{x-1}{x-2}$

0.1.4   Kods grafika y=$\frac{x-1}{x-2}$ zīmēšanai

```
\begin{tikzpicture}
\begin{axis}[
 axis x line=middle,
 axis y line=middle,
    xlabel = $x$,
    ylabel = {$y$},
]

\addplot [
    domain=-10:10,
    samples=100,
    color=blue,
]
{(x-1)/(x-2)};
\addlegendentry{$y=$\frac{x-1}{x-2}$}

\end{axis}
\end{tikzpicture}
```

0.2 Kods atskaites veidošanai

```
\documentclass{report}
\usepackage[utf8]{inputenc}
\usepackage{pgfplots}
\usepackage{listings}
\title{1819-108-C1-W2-03.pdf}
\author{Nauris Silk ns}
\date{February 10th 2019}

\begin{document}

\maketitle
\section{Grafiku z m    ana}
\subsection{Grafiks y=x}


\begin{tikzpicture}
\begin{axis}[
axis x line=middle,
axis y line=middle,
    xlabel = $x$,
    ylabel = {$y$},
]

\addplot [
    domain=-10:10,
    samples=2,
    color=blue,
    ]
    {x};
\addlegendentry{$y=x$}

\end{axis}
\end{tikzpicture}



\subsection{grafiks y=$\frac{x-1}{x-2}$}


\begin{tikzpicture}
\begin{axis}[
axis x line=middle,
axis y line=middle,
```

```
    xlabel = $x$ ,
    ylabel = {$y$} ,
]

\addplot [
    domain=−10:10 ,
    samples=100 ,
    color=blue ,
]
{(x−1)/(x−2)};
\addlegendentry{$y=$\frac{x−1}{x−2}$}

\end{axis}
\end{tikzpicture}
```