# List of Figures

# Contents

# Chapter 2

# Differentiation

## 2.1 Definition

**Definition 2.1.1.** Let $f$ be real-valued function...

$f$ is differentiable at $c$ if" $\lim_{x\to c} \frac{f(x)-f(c)}{x-c}$

### 2.1.1 Formula $f^{'}(c)$

$f^{'}(c) = \lim_{x\to c} \frac{f(x)-f(c)}{x-c}$

## 2.2 How to insert image

To insert image JPEG or Png are as follows

- open image
- Click Print screens
- open Paint
- Click Ctrl+V
- Click crop

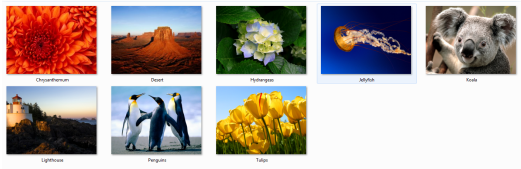

Figure 2.1: Ini gambar saya

- save

## 2.3 Insert Graph from Excel

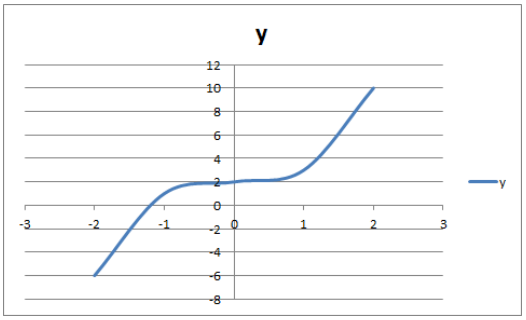


Figure 2.2: Graph $y = x^3 + 2$

## 2.4 How to create matrix

```
\begin{cases}{ccc}
4&7&3\\
5&7&5
\end{cases}
```

$$A = \begin{cases} 4 & 7 & 3 \\ 5 & 7 & 5 \end{cases}$$
$$1 \quad 2 \quad 3$$

## 2.5 Piecewise function

$$f(x) = \begin{cases} 1, & 0 < x < 2 \\ x, & 2 \leq x < 4 \\ x^3 + 1, & x \geq 4 \end{cases}$$

## 2.6 How to include Bibiliography automatically