# My First Document

## SJAbd

### November 28, 2019

$$x_1 = 1, \quad x_2 = 1, \quad x_n = x_{n-1} + x_{n-2} \ \ (n > 2)$$

$$(x + 2)(x - 1) = x^2 + x - 2$$

$$\begin{aligned}
x &= v + 6b - f \\
&= (p + q)(p - q) \\
&= p^2 - q^2
\end{aligned}$$

$$\begin{bmatrix} 1 & 0 & 0 \\ 0 & 1 & 0 \\ 0 & 0 & 1 \end{bmatrix}$$

$$\begin{bmatrix} y_1 \\ y_2 \\ y_3 \\ \vdots \\ y_n \end{bmatrix}$$

$$\begin{bmatrix} a_{11} & a_{12} & \cdots & a_{1n} \\ a_{21} & a_{22} & \cdots & a_{2n} \\ \vdots & \vdots & \ddots & \vdots \\ a_{n1} & a_{n2} & \cdots & a_{nn} \end{bmatrix}$$

$$f_y(y) = \begin{cases} 2y, & 0 \le y \le 1 \\ 0, & \text{elsewhere} \end{cases}$$

$$\begin{array}{ccc} 1 & 2 & 3 \\ a & b & c \end{array}$$

$$\begin{pmatrix} 1 & 2 & 3 \\ a & b & c \end{pmatrix}$$

$$\begin{bmatrix} 1 & 2 & 3 \\ a & b & c \end{bmatrix}$$

$$\begin{Bmatrix} 1 & 2 & 3 \\ a & b & c \end{Bmatrix}$$

$$\begin{vmatrix} 1 & 2 & 3 \\ a & b & c \end{vmatrix}$$

$$\begin{bmatrix} 1 & 2 & 3 \\ a & b & c \end{vmatrix}$$