$$f(x) = x^{2}$$

$$g(x) = \frac{1}{x}$$

$$F(x) = \int_{b}^{a} \frac{1}{3}x^{3}$$

$$\frac{1}{\sqrt{x}}$$

 $\begin{array}{cc} 1 & 0 \\ 0 & 1 \end{array}$ 

 $[\begin{matrix} 1 & 0 \\ 0 & 1 \end{matrix}]$ 

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