

Latex Tutorial 3

- Find

$$\lim_{n \rightarrow \infty} \frac{1}{n}.$$

- Find $\det(A)$, where

$$A = \begin{pmatrix} 1 & 2 & 3 \\ 4 & 5 & 6 \\ 7 & 8 & 9 \end{pmatrix}.$$

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$$\begin{aligned} x &= 1 + 2 + 3 + 4 \\ &= 10. \end{aligned}$$

- Given the table

x	f(x)
1	2
3	0
5	-3

Approximate $f'(3)$ and $f'(1)$.

- Let $x = 3 - 4i$. Find $\bar{x}$.

- $1 + \overbrace{2 + 3 + 4}.$

- $1 + \overbrace{2 + 3 + 4}^{10}.$
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- Find $\text{sinc}(3)$.