

Exercícios de fixação - Curso de LaTeX

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Abaixo seguem os exercícios resolvidos:

$$\sqrt[3]{\left(\frac{2^3 + 2^5}{10}\right)} \quad (1)$$

$$\overline{(x \cdot y)^4} = \overline{x^4} \cdot \overline{y^4} \quad (2)$$

$$\frac{a}{\sin \widehat{A}} = \frac{b}{\sin \widehat{B}} = \frac{c}{\sin \widehat{C}} = 2r \quad (3)$$

$$\|\vec{u} \times \vec{v}\| = \|\vec{u}\| \cdot \|\vec{v}\| \cdot \sin(\theta) \quad (4)$$

$$\frac{1}{\left(\frac{2}{3} \text{ cm/s}\right)^2} \frac{\partial^2 \psi}{\partial t^2} - \frac{\partial^2 \psi}{\partial x^2} = 0 \quad (5)$$

$$\left(\frac{a}{b+c}\right) \quad (6)$$

$$(a \times b) + c - \left(\frac{d}{e}\right) \quad (7)$$

$$a^{\frac{m}{n}} = \sqrt[n]{a^m} \quad (8)$$

$$\log_3 \sqrt[3]{3} = x \quad (9)$$

$$a = -\frac{\pi}{12} + k\frac{\pi}{2}, \quad k \in \mathbb{Z} \quad (10)$$

$$\lim_{x \rightarrow -2} \sqrt{\frac{x^3 + 2x + 3}{x^2 + 5}} \quad (11)$$

$$f(x) = \begin{cases} 6x - 1, & x \neq 2 \\ 3, & x = 2 \end{cases} \quad (12)$$

$$\int \left(\frac{2}{\sqrt{1-x^2} - \frac{1}{\sqrt[4]{x}}} \right) dx \quad (13)$$

$$\mathcal{A} = \int_{-\frac{\pi}{2}}^{\frac{\pi}{5}} \cos \theta \, d\theta \tag{14}$$

$$\vec{v} = \lambda \vec{f} \tag{15}$$

$$\vec{F} = m \, \vec{a} \tag{16}$$

$$M_{3\times 4} = \begin{pmatrix} 1 & 2 & 3 & 4 \\ 5 & 6 & 7 & 8 \\ 9 & 10 & 11 & 12 \end{pmatrix} \tag{17}$$

$$M_{2\times 2} = \begin{pmatrix} x+y & t-z \\ 2x-y & t+z \end{pmatrix} \tag{18}$$

$$a_{ij} = \begin{cases} 2^{i+j}, & i < j \\ i^2 + 5, & i \geq j \end{cases} \tag{19}$$