

Examples

7.2.5 Here's where the text of an exercise would go - notice how the title of the subsubsection runs into the paragraph.

Hint

The “hint” command is a convenience wrapper for a default tcolorbox with the title set to “Hint”

This “answer” environment is like the “proof” environment below, but without the “Proof.” text or the QED box.

Proof.

This is a “proof” environment; below is a list of command examples from homework.sty:

$$\backslash\mathrm{abs}\{x-c\} \longrightarrow |x-c|$$

$$\backslash\mathrm{absle}\{f(x)-f(c)\} \longrightarrow |f(x)-f(c)| < \varepsilon$$

$$\backslash\mathrm{absld}\{x-c\} \longrightarrow |x-c| < \delta$$

$$\backslash\mathrm{fabr} \longrightarrow f: [a, b] \rightarrow \mathbb{R}$$

$$\backslash\mathrm{func}[g]\{[c, d]\} \longrightarrow g: [c, d] \rightarrow \mathbb{R}$$

$$\backslash\mathrm{func}\{D\} \longrightarrow f: D \rightarrow \mathbb{R}$$

$$\backslash\mathrm{deltaxi} \longrightarrow \Delta x_i$$

$$\backslash\mathrm{deltaxi}[k] \longrightarrow \Delta x_i[k]$$

$$\backslash\mathrm{lowersum} \longrightarrow L(f, P) = \sum_{i=1}^n m_i \Delta x_i$$

$$\backslash\mathrm{uppersum} \longrightarrow U(f, P) = \sum_{i=1}^n M_i \Delta x_i$$

$$\backslash\mathrm{partition} \longrightarrow P = \{x_0, x_1, \dots, x_n\}$$

$$\backslash\mathrm{intab} f(x)dx \longrightarrow \int_a^b f(x)dx$$

□